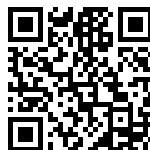

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Royal Agricultural Society of England.

1879.

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when
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Powell, Smith, Lamb & Co.	364	Robinson, J. W., and Co.	386
Powis, Carter and Morris	474	Robinson and Richardson	252
Prellers Leather Company	604	Robinson and Son	483
Prentice, Brothers	577	Rock and Hawkins	230
Prentice T. and Company	176	Rogers, Brothers	338
Priestman Brothers	678	Rollins and Company	132
Pritchett, G. E.	680	Rosher, F. and Company	669
Proctor and Wallis	547	Rosser and Russell	663
Pulsometer Engineering		Roullier and Arnoult	659
Company	293, 414	Rownson, Drew, and Co.	564
Purser and Company	584	Ruston, Proctor, and Co.	526
Rainforth, Wm., and Son	202	Sabatier and Company	91
Randell, F. and H.	356	Sainsbury and Merrett	238
Ransome, A., and Company	506	Sainty, J. and B.	13
Ransome, S. and E., and		Samuel, W. H.	254
Company	247	Samuelson and Company	11, 521
Ransomes, Sims, and Head	5, 522	Sanderson, H. J.	301
Reading Iron Works Com-		Sanitary Appliance Co.	329
pany (Limited)	12, 520	Savage, Frederick	546
Reeves, R. and J., and Son		Savile Street (Sheffield)	
	272, 510	Foundry Co. (Limited)	418
Reid, Benjamin, and Co.	390	Sawney and Co. (Limited)	134
Rendle, William E.	670	Schäffer and Budenberg	498
Reynolds and Company	674	Scholefield, Richard	471
Reynolds, F. W., and Co.	476	Sellar and Son	388
Rhodes and Sons	480	Selig, Sonnentheil, and Co.	177
Riches and Watts	530	Shand, Mason, and Co.	49
Richards and Glaskin	461	Shanks, F. and R.	220
Richards, J., and Company	162	Shanks and Son	60, 513
Richardson and Company	675	Sharman and Ladbury	337
Richardson, John	106	Sheath, Brothers	48
Richmond & Chandler	361, 400	Sherwin, George E.	420
Ridgway, Alfred	83	Siebe and Gorman	489
Riscal, Marquis of	660	Simon, Henry	486
Roberts, E. and H.	482	Simon, Louis, and Co.	570
Roberts, John, and Son	228	Simpson and Company	334

	<i>No. of Stand.</i>		<i>No. of Stand.</i>
Sinclair, James	47	Sun Auto-Pneumatic Light-	
Sinkwell, Gilbert	124	ing and Heating Co. ..	568
Skurray and Company ..	88	Sutton and Sons	630
Slack's Emery Wheel and		Swanage Waggon Co. ..	695
Machine Co. (Limited)	295		
Slack and Brownlow ..	326	Tall, J. M.	686
Slim, James	216	Tangent and Coventry	
Smeaton and Company ..	64	Tricycle Company ..	227
Smith and Coventry ..	479	Tangye Brothers	433
Smith and Grace	375	Tasker and Sons ..	58, 515
Smith, Parfrey, and Hitch-		Taylor, J. Banks	689
ings	215	Taylor, R. P., and Co. ..	85
Smith, S., and Company	240	The Barrow Shipbuilding	
Smith, William, and Son	374	Company (Limited) ..	435
Smyth, James, and Sons	190	The Johnston Harvester	
Spear and Jackson	87	Company	114
Spencer, John (London) ..	242	Thomas, J. J., and Co. ..	90
Spencer, J., and Sons ..	20	Thomas and Taylor ..	277, 501
Spong and Company ..	634	Thomas, Thomas	446
Spongy Iron Water Purify-		Thomson, Sterne, and	
ing Company	345	Company (Limited) ..	294, 411
Spoucer and Sons (Gains-		Thorley, Joseph	600
boro')	599	Thorley's, J. W., Cattle	
Spratt's Patent	593	Food Company	602
St. Pancras Iron-Work		Thorn, Charles	244
Company	135	Thornewill & Warham	494, 666
Stacey and Sons	359	Thornton, John	319
Stark and Company ..	475	Throop, J. W.	422
Startin and Sons	243	Thwaites and Carbutt ..	565
Staynes and Sons	56	Tindall, Frederick	357
Steam Boiler Company ..	436	Tinkler, Robert, and Co.	251
Stenson and Company ..	207	Tipper, Benjamin C., & Sons	657
Stokoe, Thomas	647	Titley and Son	482
Stone, John S.	165	Tomlinson and Hayward	643
Stone and Lythall	139	Toope and Company ..	41
Stubbs, William	466	Treggon and Company ..	92
Sub-Wealden Gypsum Co.	582	Turner, Charles, and Son	639
Summerscales and Sons ..	308	Turner, E. R. and F.	40, 516

	<i>No. of Stand.</i>		<i>No. of Stand.</i>
Turner, F. W. ..	349, 404	White, Joseph, and Co. ..	38
Tuxford and Sons ..	542	Whitehead, John, and Co. ..	469
Twelvetrees, Harper ..	316	Whitehouse, William ..	194
Underhill, W. S. ..	555	Whiteley and Sons ..	22
Unite, John ..	152	Whiteside and Company ..	115
Van Gelder and Apsimon ..	298	Whiting, A. S., Manufac-	
Vipan and Headly ..	96	turing Company ..	93
Voice, Godfrey, and Co. ..	327	Whitmore and Binyon ..	488
Voitellier, M. ..	658	Wholey, W. G. ..	368
Waide, William ..	253	Wilder, John ..	360
Waite, Burnell, Huggins		Wilding, Joseph ..	314
and Company ..	3	Wilkins and Son ..	269
Walker, W., and Son ..	199	Wilkinson and Company ..	175
Waller and Company ..	18	Willacy, Robert ..	125
Wallis and Steevens ..	456	Willcox, W. H. and Co. ..	44
Walton, William ..	141	Williams, John and Son ..	185
Walworth and Company ..	487	Williams, T. C. and Sons ..	258
Ward, Charles ..	578	Williamson, Brothers ..	440
Warner, Alfred ..	612	Wilson (Newton) & Co. ..	43
Warner, John and Sons ..	320, 692	Windover, Charles S. ..	229
Warren, Nathan ..	367	Witty and Wyatt ..	608
Watson and Haig ..	412	Wohl and Company ..	702
Watts, T. C. ..	537	Wolstencroft and Company ..	315
Waygood and Company ..	421	Wood, C. S. P.	170
Webb and Company ..	611	Wood, Walter A. ..	111
Webb, Edward and Sons ..	631	Wood, William Anson,	
Webb and Son ..	46	Mower and Reaper Co. ..	261
Weeks and Son ..	99	Woods, Cocksedge, and	
Weighell, John ..	484	Company ..	348, 401
Welch, Alfred ..	696	Woolnough and Company ..	187
West and Company ..	477	Wray and Company ..	490
Western and Company ..	463	Wrinch, Alfred ..	94
Whalley, Smith and Paget ..	351	Wurr and Lewis ..	473
Wheeler, H., and Company ..	632	Young, Robert ..	28
		Yorath, H. ..	679

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CATALOGUE OF IMPLEMENTS

AND OTHER ARTICLES.

N.B.—The following prices of Implements constructed of iron, steel, or other metal are subject to the fluctuations of the market.

Stand No. 1.—*Holmes and Sons, of Prospect Place Works, Norwich, Norfolk.*

Article 1—8-Horse Power Improved Traction Engine; manufactured by the Exhibitors. Price £420. With compensating gearing steel and in slow speeds, and improved clips for wheels.

2—Royal Prize 8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. Fitted with steam-jacketed cylinder, feed-water heater, and lock-up safety valve.

3—Royal Prize Finishing Thrashing Machine; manufactured by the Exhibitors. Price £150. The separations of chaff-cuttings and small corn are perfect, and the delivery is at the most convenient place for taking away. The chaff is cleansed and put into bags without extra elevating.

4—Royal Prize Single Winnower Thrashing Machine; manufactured by the Exhibitors. Price £115. This machine has chaff-bagging apparatus included, and is their well-known 1862 machine, with recent improvements, steel spindles and improved bearings.

5—Royal Prize Clover and Seed Sheller or Drawer; manufactured by the Exhibitors. Price £58. This machine has been much improved by new pattern shells and wrought-iron drum; a large quantity of seed can be drawn in a day and cleaned.

6—Large Circular Saw Table for 48-Inch Saw; manufactured by the Exhibitors. Price £70. Adapted for estate work, and to be driven by the portable or traction engines. With self-acting feed motion.

7—Prize Hay, Straw, and Corn Elevator; manufactured by the Exhibitors. Price £55. With horse gear for stacking and harvest work, or for use with thrashing machine.

8—Royal Prize Corn and Seed Drill; manufactured by the Exhibitors. Price £31 10s. With improved gearing and every improvement.

9—Fore-Carriage Steerage for Drills; manufactured by the Exhibitors. Price £5.

10—Royal Prize Norfolk Corn and Seed Drill; manufactured by the Exhibitors. Price £27 10s. With Norfolk swing steerage and other improvements.

11—Royal Prize Seed and Manure Drill ; manufactured by the Exhibitors. Price £26 10s. Double action levers for seed, and improved delivery of manure.

12—General Purpose Drill ; manufactured by the Exhibitors. Price £42.

13—Economical Seed and Manure Drill ; manufactured by the Exhibitors. Price £18. Double-action seed coulters, 7s. 6d. each extra.

14—Royal Prize Manure Distributor ; manufactured by the Exhibitors. Price £17 10s. The sliding stirrer has been much improved, and it is the most perfect machine for all descriptions of manure.

15—Ridge Roller, Mangold, and Turnip Drill ; manufactured by the Exhibitors. Price £9 9s.

16—Prize Turnip Hoe for Bunching Turnips ; manufactured by the Exhibitors. Price £13 10s. It sets the plants at from 8, 10, and 12 inches apart ; extra hoes per set, 16s.

17—Broadcast Corn and Seed Sower ; manufactured by the Exhibitors. Price £12 10s.

18—Lever Horse Hoe for Wheat and Roots ; manufactured by the Exhibitors. Price £19. Improvement for adjusting depth of cut of hoes.

19—Single-Row Hand Drill ; manufactured by the Exhibitors. Price £2 5s.

20—Corn-Dressing Machine ; manufactured by the Exhibitors. Price £7 7s. Seed-sieves and fittings, £1 extra.

21—Royal Prize Barley Hummeller ; manufactured by the Exhibitors. Price £5.

22—New Drum Guard ; manufactured by the Exhibitors. Price £2 10s. Suitable to thrashing machines.

Stand No. 2.—*Balls, Garrett and Co., of Medway Iron Works, Maidstone, Kent.*

Article 23—8-Horse Power Vertical Engine and Boiler ; manufactured by the Exhibitors. Price £180.

24—6-Horse Power Vertical Engine and Boiler ; manufactured by the Exhibitors. Price £145.

25—3-Horse Power Vertical Engine and Boiler ; manufactured by the Exhibitors. Price £90.

26—2-Horse Power Vertical Engine and Boiler ; manufactured by the Exhibitors. Price £70.

27—Two Pair Stones Grinding Mill, with Crane for Lifting Runner Stone ; manufactured by the Exhibitors. Price £142 5s.

28—One Single Pair Stones Grinding Mill, with Crane for Lifting Stones ; manufactured by the Exhibitors. Price £79 15s.

29—Improved Web Hop Presser with Weighing Apparatus ; manufactured by the Exhibitors. Price £14 14s.

30—20-In. Single-Rodded Ring Land Roller ; manufactured by the Exhibitors. Price £13 5s.

31—Hop Sulphuring Machine ; manufactured by the Exhibitors. Price £12 12s.

Stand No. 3.—*Waite, Burnell, Huggins and Co.,
of 228, Upper Thames Street, London, E.C.*

Article 32—Patent Harvester and Self-Binder; manufactured by C. H. McCormick, of Chicago, Illinois, U. S. A. Price £65, with 2 knives and extras. A reaping machine which also binds the cut corn into sheaves. This machine is well within the power of 2 horses, and is readily understood by an ordinary farm labourer.

33—"Tiger" Self-Acting Horse Rake; manufactured by J. W. Stoddard and Co., of Dayton, Ohio, U. S. A. Price £10 10s. By a slight pressure on the foot-lever both wheels are locked, so that by the onward progress of the horse the teeth are raised sufficiently to relieve the rake of its load.

34—Patent "Excelsior" Lawn Mower, to Cut 8 In. Wide; manufactured by the Chadborn and Coldwell Manufacturing Company, of Newburgh, U. S. A. Price £2 10s. In this machine the gearing is all covered in, and clogging is therefore rendered impossible. It is the most simple and efficient lawn mower yet produced.

35—Patent "Excelsior" Lawn Mower; manufactured by the Chadborn and Coldwell Manufacturing Company. Price £3 10s. Similar to the preceding, but to cut 10 in. wide.

36—Patent "Excelsior" Lawn Mower; manufactured by the Chadborn and Coldwell Manufacturing Company. Price £4 10s. Similar to the preceding, but to cut 12 in. wide.

37—Patent "Excelsior" Lawn Mower; manufactured by the Chadborn and Coldwell Manufacturing Company. Price £5 10s. Similar to the preceding, but to cut 14 in. wide.

38—Patent "Excelsior" Lawn Mower; manufactured by the Chadborn and Coldwell Manufacturing Company. Price £6 10s. Similar to the preceding, but to cut 16 in. wide.

39—Patent "Excelsior" Lawn Mower; manufactured by the Chadborn and Coldwell Manufacturing Company. Price £7 10s. Similar to the preceding, but to cut 18 in. wide.

40—Patent "Excelsior" Lawn Mower; manufactured by the Chadborn and Coldwell Manufacturing Company. Price £8. Similar to the preceding, but to cut 20 in. wide.

41—Patent "Excelsior" Lawn Mower; manufactured by the Chadborn and Coldwell Manufacturing Company. Price £32 complete, with shafts, seat, &c. This machine is similar in principle to the preceding, but is made to cut 35 in. wide, and is intended for being worked by a pony.

Stand No. 4.—*Richard Hornsby and Sons, of the
Spittlegate Iron Works, Grantham, Lincolnshire.*

Article 42—Ten-Horse Power Patent Portable Steam Engine, with Two Cylinders; manufactured by the Exhibitors. Price £265. On the same principle as those which gained Prize Medals at the London Exhibitions of 1851 and 1862. Prize Medals at various Continental Exhibitions, including Gold Medal, Paris, 1878, and numerous Prizes from the R. A. S. E. Unequalled for economy in fuel and water.

43—Patent Combined Thrashing, Shaking, and Finishing Dressing Machine, with 5 Ft. Drum; manufactured by the Exhibitors. Price £160; waterproof cover, £2 10s. extra. On the same principle as those which gained First Prizes from the R. A. S. E., and Prize Medals at London, Hamburg, Stettin, Vienna, Paris, &c.

44—Eight-Horse Power Single Cylinder Patent Portable Steam Engine; manufactured by the Exhibitors. Price £210. Similar to Article No. 42, but of smaller power.

45—Patent Combined Thrashing, Shaking, and Finishing Dressing Machine, with 4 Ft. 6 In. Drum; manufactured by the Exhibitors. Price £150; waterproof cover, £2 10s. extra. Similar to Article No. 43, but of smaller capacity, and suitable for an engine of less power.

46—Six-Horse Power Patent Portable Steam Engine; manufactured by the Exhibitors. Price £180. Similar to Articles Nos. 42 and 44, but of still smaller power.

47—Patent Combined Thrashing, Shaking, and Finishing Dressing Machine, with 4 Ft. Drum; manufactured by the Exhibitors. Price £140; waterproof cover, £2 10s. extra. Similar to Articles Nos. 43 and 45, but of still smaller capacity.

48—Four-Horse Power Patent Portable Steam Engine; manufactured by the Exhibitors. Price £150. Similar to Articles Nos. 42, 44, and 46, but of still smaller power.

49—Patent Combined Thrashing, Shaking, and Finishing Dressing Machine, with 3 Ft. Drum; manufactured by the Exhibitors. Price £105; waterproof cover, £2 10s. extra. Similar to Articles Nos. 43, 45, and 47, but of still smaller capacity.

50—Three-Horse Power Patent Portable Steam Engine; manufactured by the Exhibitors. Price £125. A smaller size of the same class of engine as Articles Nos. 42, 44, 46, and 48.

51—Patent Two-Horse Hedge-Cutting and Trimming Machine; manufactured by the Exhibitors. Price £50. This new machine will do a large amount of work, and requires only a man and a boy to manage it. It will cut both sides of a hedge whilst travelling on one side, if required. Received the special Silver Medal of R. A. S. E. at Bristol, 1878, as a successful novelty, and eight other Medals.

52—(*New Implement.*)—Patent Self-Acting Combined Reaper and Binder; manufactured by the Exhibitors. Price £65.

53—(*New Implement.*)—Patent "Matchless" Self-Raking Reaper, with 6 Arms, Wrought-Iron Road-Wheel, and New Interchangeable Rake centres; manufactured by the Exhibitors. Price £32; shaft to pole, £1 extra; "turn-up" platform arrangement, 10s. extra. Introduced for 1879. Has every advantage of the Spring Balance Reaper, with improvements for increased lightness in draught, close cutting, durability, and readiness of adjustment.

54—(*New Implement.*)—Patent "Matchless" Self-Raking Reaper, with 4 Arms, Wrought-Iron Road-Wheel, and New Interchangeable Rake centres; manufactured by the Exhibitors. Price £30; shaft to pole, £1 extra; "turn-up" platform arrangement, 10s. extra. Same as the above, but with 4 arms only.

55—Patent "Spring Balance" Self-Raking Reaper, with Wrought-Iron Road-Wheel and 5 Mechanical and Manual Controllable Rakes; manufactured by the Exhibitors. Price £32; shaft to pole, £1 extra; "turn-up" platform arrangement, 10s. extra. Similar to the machine which gained the First Prize at the last R. A. S. E. Trials at Birmingham, 1876, but with recent improvements.

56—(*New Implement.*)—Patent “Indispensable” Self-Raking Reaper, with Wrought-Iron Road-Wheel and 5 Mechanical and Manual Controllable Rakes; manufactured by the Exhibitors. Price £32; shaft to pole, £1 extra; “turn-up” platform arrangement, 10s. extra. An improved form of the R. A. S. E. 1st, 2nd, and 3rd Prize Spring Balance Reaper.

57—Patent “Progress” Self-Raking Reaper; manufactured by the Exhibitors. Price £32; driver’s seat and shaft to pole, £1 15s. extra; two extra rakes for swathing, 15s. extra; biting irons, 9s. extra.

58—Patent One-Horse “Spring Balance” Self-Raking Reaper, with 4 Mechanical and Manual Controllable Rakes; manufactured by the Exhibitors. Price £24 10s.; “turn-up” platform arrangement, 10s. extra. Two varieties of this machine gained the First and Second Prizes in the 1-Horse Class at the last R. A. S. E. trials at Birmingham, 1876.

59—(*New Implement.*)—Patent “Challenge” One-Horse Iron Frame Manual Delivery Reaper; manufactured by the Exhibitors. Price £15 10s. An improved form of the R. A. S. E. First Prize “Premier” Reaper, with faster speed, improved cutting apparatus, jointed finger-bar, and lighter draught.

60—(*New Implement.*)—Patent “Challenge” Two-Horse Iron Frame Manual Delivery Reaper; manufactured by the Exhibitors. Price £17. Same as the above, but made suitable for 2 horses.

61—Patent “Paragon o” Grass-Mower; manufactured by the Exhibitors. Price £19. The machine which gained the First Prize at the last R. A. S. E. Mower Trials at Taunton, 1875.

62—Patent “Paragon A” Grass-Mower; manufactured by the Exhibitors. Price £19. The machine which gained the Second Prize at the last R. A. S. E. Mower Trials at Taunton, 1875.

63—Patent “Paragon o” Combined Mower and Reaper; manufactured by the Exhibitors. Price £22 10s. The machine which gained the First Prize as a Combined Machine at the last R. A. S. E. Trials at Birmingham, 1876, and the First Prize as a Mower at Taunton, 1875.

64—Patent “Paragon n” Combined Mower and Reaper; manufactured by the Exhibitors. Price £22 10s. The “Paragon n” Mower, with additional parts for reaping; it cuts on the opposite side to the “o” and “A” machines.

65—Patent “Paragon” 1-Horse Grass-Mower; manufactured by the Exhibitors. Price £17 10s. The machine which gained the First and only Prize for a 1-Horse Mower at the last R. A. S. E. Trials at Taunton, all other Mowers being disqualified for excessive draught.

66—Patent Knife-Grinding, Sharpening, and Holding Machine; manufactured by the Exhibitors. Price £2 2s. Highly commended by the Judges at the Manchester Meeting of the R. A. S. E.

67—Set of Patent Ear Lifters; manufactured by the Exhibitors. Price £1 5s.

68—Patent “R L” 1-Wheel Plough; manufactured by the Exhibitors. Price £2 10s. A light and strong pony-plough, suitable for working 3 to 6 inches deep.

69—Patent “R” 2-Wheel Plough; manufactured by the Exhibitors. Price £3 10s. Similar to Article No. 68, but larger, and suitable for a light horse.

70—Patent “R A” 2-Wheel Plough; manufactured by the Exhibitors. Price £4 10s.; extra for steel instead of cast breast, 5s. On the

same principle as those which took the Warwick Prizes of the R. A. S. E.; but with recent improvements.

71—Patent “R B” 2-Wheel Plough; manufactured by the Exhibitors. Price £4 17s. 6d.; extra for being fitted with disc coulter instead of knife coulter, 10s. 6d. Suitable for 2 to 4 horses. A first-rate light land general purpose plough.

72—Patent “R B” 2-Wheel Plough; manufactured by the Exhibitors. Price £4 17s. 6d.; extra for steel instead of cast breast, 5s.; skim coulter, 5s.

73—Patent “R C” 2-Wheel Plough; manufactured by the Exhibitors. Price £5 5s.; extra for steel instead of cast breast, 5s.; skim coulter, 5s.; drag chain, 2s. A size larger than the preceding, being the most useful size for general purposes.

74—Patent “s” 2-Wheel Plough; manufactured by the Exhibitors. Price £5 10s.; extra for steel instead of cast breast, 5s.; small skeith, 10s. 6d.; drag chain, 2s. Specially fitted for prize-ploughing with long breast, and when with ordinary breast is a thoroughly efficient general-purpose plough for either light or heavy land.

75—Patent “R D” 2-Wheel Plough for Kent work; manufactured by the Exhibitors. Price, £6 15s.; extra for steel instead of cast breast, 5s.; skim coulter, 5s.; drag chain, 2s.

76—Patent “R B” Swing Plough; manufactured by the Exhibitors. Price £4 7s. 6d.

77—Patent “R B” Swing Plough; manufactured by the Exhibitors. Price £4 7s. 6d.; extra for steel instead of cast breast, 5s.

78—Patent “R A” Swing Plough; manufactured by the Exhibitors. Price £4; extra for steel instead of cast breast, 5s.

79—Patent “s w” 2-Wheel Plough, with Wood Handles and Combined Wood and Iron Beam; manufactured by the Exhibitors. Price £4 7s. 6d. Lighter in draught, easier to manage, and more durable than any other wood, or combined wood and iron, ploughs.

80—Patent “s w” 2-Wheel Plough, with Wood Handles and Combined Wood and Iron Beam; manufactured by the Exhibitors. Price £4 7s. 6d.; extra for steel instead of cast breast, 5s.; small skeith, 10s. 6d.; drag chain, 2s. Specially fitted for prize ploughing with long breast.

81—Patent “s w” Swing Plough, with Wood Handles and Combined Wood and Iron Beam; manufactured by the Exhibitors. Price £3 15s.; extra for steel instead of cast breast, 5s.; small skeith, 10s. 6d.; drag chain, 2s. The exhibitors' ploughs have gained 566 prizes in 1878, 557 of which have been won by local men who have used them.

82—Patent “M” Ridging and Moulding Plough; manufactured by the Exhibitors. Price £4 2s. 6d.; extra for steel instead of cast breasts, 10s.; marker, 8s. Simple, strong, light in draught, efficient and easily held.

83—(*New Implement.*)—Patent Small Ridging and Moulding Plough; manufactured by the Exhibitors. Price £3 15s.; extra for steel instead of cast breasts, 10s. Similar to the preceding, but smaller.

84—Patent “N” Iron Double-Furrow Plough; manufactured by the Exhibitors. Price £10. On the same principle as the Reephram Prize Ploughs, but with recent improvements.

85—Patent “s L w” Convertible Single and Double-Furrow Plough, with Wood Handles and Combined Wood and Iron Beam; manufactured by the Exhibitors. Price £8; extra for steel instead of cast breasts, 10s.

A double-furrow plough on the same principle as the "s w" single plough; with effective adjustments for regulating width of furrow. The front body may be easily removed, and the plough used for single-furrow work.

86—Patent "s d w" Double-Furrow Plough, with Wood Handles and Combined Wood and Iron Beam; manufactured by the Exhibitors. Price £8 5s.; extra for patent lifting apparatus, £2; small skeiths, each, 10s. 6d.; drag chains, each, 2s.

87—Patent "r d w" Convertible Single and Double-Furrow Plough, with Wood Handles and Combined Wood and Iron Beam; manufactured by the Exhibitors. Price £8 5s.; extra for steel instead of cast breasts, 10s.; small skeiths, each, 10s. 6d.; drag chains, each, 2s. Similar to the "s d w," but suitable for high-cut work taking the fittings for the "r" series of ploughs.

88—Improved "r y" Double Furrow Plough; manufactured by the Exhibitors. Price, with steel breasts, £8 10s.; extra for disc coulters instead of knife coulters, £1 1s. Suitable for light land districts where it is needful to cultivate a large area in a short time; specially designed for the Continental, American, and Colonial markets.

89—Improved "r y y" 3-Furrow Plough; manufactured by the Exhibitors. Price, with steel breasts, £12. Similar to No. 88 but for 3 furrows; covers 30 inches in width, and the depth may be adjusted from 2 to 7 inches.

90—(*New Implement.*)—Patent "c c a" Convertible Root Pulper, Slicer, and Turnip Cutter, manufactured by the Exhibitors. Price £8 5s.; if as a Pulper and Slicer only, £7; if as a Pulper and Cutter for sheep only, £7

91—Patent "m c d" Turnip Cutter; manufactured by the Exhibitors. Price £4 10s. On the same principle as those which gained the First Prizes at the Oxford and Bury Trials of the R. A. S. E., but with later improvements.

92—(*New Implement.*)—Patent "o a" Turnip Cutter; manufactured by the Exhibitors. Price £4 15s. A very fast cutter, and of easy draught.

93—Patent "m c d" Turnip Slicer; manufactured by the Exhibitors. Price £4 10s. Similar to the "m c d" Turnip Cutter, but with knives to cut slices for cattle feeding instead of finger-pieces for sheep.

94—Patent "l t" Root Pulper; manufactured by the Exhibitors. Price £3 10s.

95—Patent "m t" Root Pulper; manufactured by the Exhibitors. Price £4 10s.

96—Patent "p t" Root Pulper; manufactured by the Exhibitors. Price £6 10s. Pulleys extra, according to size. This and the preceding pulpers are on the same principle as those which gained the First Prizes of the R. A. S. E. at Bury and Oxford, but with improvements.

97—Patent 13-Row 7 Ft. Wide Corn and Seed Drill; manufactured by the Exhibitors. Price £27 10s. A well known implement, which has taken many First Prizes from the Royal and other Agricultural Societies.

98—(*New Implement.*)—New 7 Ft. Wide Manure Distributor; manufactured by the Exhibitors. Price £19.

99—Patent Rotary Corn Screen, with Blower and Stone Separator; manufactured by the Exhibitors. Price £16 10s. The machine which gained the First Prize at the Bury Trials of the R. A. S. E., with the addition of an efficient blower.

100—Patent Corn-Dressing Machine, No. 119 A; manufactured by the Exhibitors. Price £9. A well-known machine, simple, durable and thoroughly efficient.

101—Patent Corn-Dressing Machine, No. 119 B; manufactured by the Exhibitors. Price £7 10s. A smaller machine than the above.

Stand No. 5.—*Ransomes, Sims, and Head, of the Orwell Works, Ipswich, Suffolk.*

Article 102—6-Horse Power Agricultural Locomotive Engine; manufactured by the Exhibitors. Price £340. Winding drum and 60 yards wire rope, £15 extra; compensating motion, £15 extra. Adapted for driving a thrashing machine and straw elevator, and drawing them from farm to farm; also for hauling agricultural produce.

103—8-Horse Power Agricultural Locomotive Engine; manufactured by the Exhibitors. Price £400. Winding drum and 60 yards wire rope, £15 extra. Similar to Article No. 102, but larger. Extremely simple and easy to manage, all working parts being easily accessible, and starting, reversing, and steering levers so arranged that one man can drive and steer.

104—6-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £180. Has ample boiler and heating surface, jacketed cylinder and simple arrangement for warming the feed water. Will develop double its nominal power.

105—8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. Simple in design and construction; easily managed and kept in order, and economical in consumption of fuel. Specially adapted for farm purposes.

106—10-Horse Power Portable Steam Engine, with patent Straw-burning Apparatus; manufactured by the Exhibitors. Price £285. Fitted with patent apparatus for burning straw, and almost any vegetable substance. Adapted for districts where coal is costly and difficult to obtain; will also burn wood or coal if preferred.

107—14-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £361. A powerful engine, fitted with patent automatic governor expansion gear. Specially adapted for driving machinery which fluctuates suddenly and frequently in the power to be exerted, and where regularity of speed is essential.

108—(*New Implement.*)—New Vertical Steam Engine, on Cast-Iron Bed Plate; manufactured by the Exhibitors. Price £40. Occupies but little space; is very simple and compact; and requires no outlay for foundations and fixing.

109—(*New Implement.*)—New Vertical Engine and Boiler complete, on Iron Frame; manufactured by the Exhibitors. Price £80. Strongly recommended for various purposes, but especially where only a small power is required. The engine is independent of the boiler, the cylinder and working parts being mounted on a neat iron standard.

110—(*New Implement.*)—New Vertical Engine and Boiler, complete on Iron Frame, manufactured by the Exhibitors. Price £95. Similar to the preceding, but larger. The boilers are made with large interior fire-boxes, with cross-section tubes, and are adapted to burn any description of ordinary fuel.

111—Prize Single-Blast Steam Thrashing Machine, c 1; with 54-in. Drum; manufactured by the Exhibitors. Price £125. The Exhibitors were awarded First Prize of £20 at the Bury trials, and a Prize of £20 at the Cardiff trials of the R.A.S.E., for their single-blast thrashing machines.

112—(*New Implement.*)—New Finishing Steam Thrashing Machine, A L 1, with 54-in. Drum; manufactured by the Exhibitors. Price £135; chaff-bagging apparatus, £5 extra. A light finishing machine, especially adapted for hilly districts and small occupiers. May be easily worked by a 6-horse power engine.

113—Prize Finishing Steam Thrashing Machine, A 1, with 54-in. Drum; manufactured by the Exhibitors. Price £150. Chaff-bagging apparatus, £5 extra. The Exhibitors were awarded a Prize of £20 at Cardiff, 1872, for their finishing machine, and were the only competitors at those trials who won prizes for both single-blast and finishing machines.

114—Patent Double-Blast Thrashing Machine, B 1, with 54-in. Drum; manufactured by the Exhibitors. Price £140. Intended for thrashing large quantities of corn in a very short time; but is not furnished with a screen for sorting the grain.

115—Patent Single-Blast Thrashing Machine, M 1, with Apparatus for Chopping and Bruising the Straw; manufactured by the Exhibitors. Price £215. Specially intended for use in hot countries, where the grain has hitherto been trodden out by horses or mules.

116—Pair of 3ft. 6in. Corn Grinding Mills, on one Iron Frame; manufactured by the Exhibitors. Price £140; crane for lifting stones, £7 extra; patent corn-cracker for maize, £13 extra. Adapted for grinding fine flour for domestic use (when fitted with extra dressing apparatus), or for grinding meal for cattle-feeding purposes. Can be fitted either with French or Derbyshire stones.

117—3-Ft. Corn Mill, on Iron Frame; manufactured by the Exhibitors. Price £60. A useful addition to farm machinery where steam power is employed. No shafting is required to drive it, as it is worked direct by a strap from the engine. Can be fitted with self-contained dressing apparatus for making fine flour.

118—Improved Dressing Machine, No. 5; manufactured by the Exhibitors. Price £11. Constructed from entirely new designs. Is very simple, and of great capacity. Fitted with a spiked roller, instead of an extra blower, for dressing rough stuff.

119—Improved Dressing Machine, No. 6; manufactured by the Exhibitors. Price £10. Same size as the preceding article, but is not fitted with spiked roller.

120—Improved Dressing Machine, No. 7; manufactured by the Exhibitors. Price £9. Fitted with sieves for dressing wheat, barley, oats, rye, peas, and beans. Can also be adapted for dressing rice, coffee, tea, &c.

121—Improved Dressing Machine, No. 8; manufactured by the Exhibitors. Price £8. A very simple, strong, and useful machine.

122—Iron Pony Plough, R H A (3), Head Wheel; manufactured by the Exhibitors. Price £2 10s.; steel breast, 5s. extra. Specially adapted for light land and market gardens.

123—Light 1-Horse Iron Plough, R H B (3), Head Wheel; manufactured by the Exhibitors. Price £3; steel breast, 5s. extra. Similar in general outline to the Exhibitors' well-known Newcastle and Leicester Prize Ploughs.

124—1-Horse Iron Plough, R H C (17), Two Wheels; manufactured by the Exhibitors. Price £3 15s.; skim coulter, 5s.; steel breast, 5s. extra. A useful plough for small occupations; will plough light land to a depth of 7 inches.

125—Newcastle Prize Plough, R N D (3), Two Wheels; manufactured by the Exhibitors. Price £4 10s.; skim coulter, 5s.; steel breast, 5s. extra. The smallest plough of the series which won four First Prizes at the Newcastle Meeting, and a Prize in every division at the Leicester Meeting of the R.A.S.E.

126—Newcastle Prize Plough, R N D H (39), Two Wheels; manufactured by the Exhibitors. Price £4 17s. 6d.; skim coulter, 5s.; steel breast, 5s. extra. Suitable for two horses on light and mixed soils. All these ploughs have solid beams, trussed to embrace the frame.

127—Newcastle Prize Plough, R N E (93), Two Wheels; manufactured by the Exhibitors. Price £5 5s.; skim, 5s.; disc skim, 10s.; steel breast, 5s.; drag weight and chain, 2s. extra. The most useful "general purpose" plough for use with two or three horses on light land or mixed soils.

128—Newcastle Prize Plough, R N F (69), Two Wheels and Patent Subsoiler; manufactured by the Exhibitors. Price £3 5s.; steel breast, 5s. extra. The subsoiler works at the bottom of the furrow, and the plough turns a furrow completely over the subsoiled portion, which consequently is not trodden down by the horses.

129—Newcastle Prize Plough, R N D H (95), Swing; manufactured by the Exhibitors. Price £4 7s. 6d.; steel breast, 5s. extra. Constructed with long handles, short beam, and share specially set for ploughing without wheels.

130—Improved Wood Beam Plough, W R N E 2 (111), Two Wheels; manufactured by the Exhibitors. Price £4 2s.; skim, 5s.; steel breast, 5s.; drag weight and chain, 2s. extra. Constructed on the model of the Newcastle Prize Ploughs, and takes the same breasts and shares.

131—Patent Light Double-Furrow Plough, R L C D 7 (29); manufactured by the Exhibitors. Price £8; skim coulters, 10s.; steel breasts, 10s. per pair extra. The simplest and most efficient plough in the market for light land. Has patent turning arrangement and adjustable beams.

132—Patent Light General-Purpose Double-Furrow Plough, R N C D (95); manufactured by the Exhibitors. Price £9 5s.; skim coulters, 10s.; steel breasts, 10s. per pair extra. Fitted with double centre lifting wheels for taking the plough out of work and turning it at the headlands; the best arrangement for this purpose.

133—Patent General-Purpose Double-Furrow Plough and Subsoiler; manufactured by the Exhibitors. Price £10 10s.; patent subsoiler, £2 extra. Similar to the preceding article, but stronger. By removing the front body, and attaching the subsoil apparatus, an efficient plough and subsoiler are obtained.

134—Patent Double-Furrow Plough, W O L D (3), with Wood Beam and Handles; manufactured by the Exhibitors. Price £7; steel breasts, 10s. per pair extra. Has a single wood beam, to which the hind body, the handles, land wheel, and draught are attached. A very cheap and efficient plough for light land.

135—Patent Three-Furrow Plough, R L M; manufactured by the Exhibitors. Price £12; skim coulters, 15s. extra. Fitted with patent double-centre lifting wheels, and specially adapted for light land. Can also be fitted with extra body for baulking.

136—Patent Turnwrest or One-Way Plough, *SPT* (19 and 21), Two Wheels; manufactured by the Exhibitors. Price £8; skim coulter, 10s.; steel breasts, 10s. per pair extra. Turns the furrows all in one direction. Intended for hill-side ploughing, or for use on level land where no open furrows are required.

137—Iron Ridging Plough, *RHR* (3 and 5), Head Wheel and Steel Breasts; manufactured by the Exhibitors. Price £4; hoe-frame and cutters, 12s.; marker, 8s. extra. A useful light plough for moulding up root-crops, &c. Can readily be converted into hoe plough.

138—Iron Ridging and Subsoil Plough, *RNRL* (3 and 5), Two Wheels and Steel Breasts; manufactured by the Exhibitors. Price £4 17s. 6d.; hoe-frame and cutters, 15s.; marker, 10s. extra. A strong and simple ridger; may also be used for subsoiling, and as a horse-hoe for cleaning plants sown on the ridge or flat.

139—Patent Double-Furrow Plough, *MED*, with Wrought Skifes, Steel Breasts, and Shares; manufactured by the Exhibitors. Price £10 11s. Suitable for producing rectangular broken furrows on light and medium soils. Fitted with patent lifting and turning apparatus.

140—Patent Three-Furrow Plough, *MEDM*, with Wrought Skifes, Steel Breasts, and Shares; manufactured by the Exhibitors. Price £13 4s. Same construction as the preceding article, but with three bodies.

141—Patent Four-Furrow Plough, *MEDM*; manufactured by the Exhibitors. Price £15 12s. Same construction as the preceding article, but fitted with four bodies, and will plough a total width of 40 inches.

142—Strong Patent Three-Furrow Plough, *SME*; manufactured by the Exhibitors. Price £21 10s. Made entirely of wrought iron and steel, and adapted for the strongest work on stony soil. Can be used as a two or three-furrow plough at pleasure.

143—Light Iron Plough, *SRA*, Swing; manufactured by the Exhibitors. Price £1 10s. The simplest and cheapest pattern of iron ploughs that are made.

144—Small Iron Double-Furrow Plough, *SRADW*, with Wrought Skifes; manufactured by the Exhibitors. Price £6. Similar to the preceding article, but arranged as a double plough.

145—Small Iron Double-Furrow Plough, *RHBD*; manufactured by the Exhibitors. Price £5 10s. A very light, cheap double plough, similar to Article No. 123 (*RHB* plough) but arranged as a double plough.

146—Improved Multiple Plough, *YLM* (53); manufactured by the Exhibitors. Price £12 15s. Will plough three furrows 9 in. wide and 5 to 7 in. deep, with four horses.

147—Strong Wrought-Iron Plough, *SAW*, Two Wheels; manufactured by the Exhibitors. Price £8 10s. Suitable for ordinary ploughing where a very strong plough is required. Can be fitted with one or two wheels, or used as a swing plough.

148—"Brabant Turnwrest" Plough, *BRD*; manufactured by the Exhibitors. Price £8 10s. Has two complete plough bodies attached to the beam on opposite sides, one right and the other left-handed, and which come alternately into work.

149—Four-Furrow Seed Coverer, *SEED* (4); manufactured by the Exhibitors. Price £6 15s. For covering seeds or for use as a light skimmer or paring plough.

150—Light Iron Turnwrest Plough, *AT*; manufactured by the Exhibitors. Price £1 12s. 6d. The simplest form of Turnwrest Plough, especially adapted for light and easily-worked soils.

151—Light Wood Turnwrest Plough, CT; manufactured by the Exhibitors. Price £2 12s. 6d. Similar to the preceding article, but with wood beam and handles.

152—Anglo-American "Eagle" Plough, No. 10; manufactured by the Exhibitors. 17s. 6d. Suitable for a pony.

153—Anglo-American "Eagle" Plough, No. 19; manufactured by the Exhibitors. £1 2s. 6d. Suitable for a light horse.

154—Anglo-American "Eagle" Plough, No. 19½; manufactured by the Exhibitors. Price £1 16s. 6d. Suitable for one horse.

155—Anglo-American "Eagle" Plough, No. 75; manufactured by the Exhibitors. Price £3. Suitable for three or four horses. Will plough a furrow 12 in. wide by 9 in. deep.

156—Triangular Cultivating Plough, FR; manufactured by the Exhibitors. Price £3 10s. Specially useful for hoeing and cleaning land.

157—Set of Trussed Whippetrees and Pommeltree for 2 Horses; manufactured by the Exhibitors. Price £1 5s.

158—Set of Tubular Whippetrees and Pommeltree for 2 Horses; manufactured by the Exhibitors. Price £1.

159—Set of Three-Horse Solid Equalising Whippetrees; manufactured by the Exhibitors. Price £2. Specially adapted for double furrow ploughs.

160—Set of Three-Horse Tubular Whippetrees; manufactured by the Exhibitors. Price £1 10s.

161—Set of East Anglian Harrows, No. 201; manufactured by the Exhibitors. Price £4. Specially useful for breaking down land and collecting weeds.

162—Set of Patent Jointed Harrows, No. 563; manufactured by the Exhibitors. Price £4. Being jointed, these harrows will follow all the inequalities of the ground, and are the best for pulverising and cleaning the land.

163—"Universal" Haymaker, DA, No. 1; manufactured by the Exhibitors. Price £15. Fitted with patent adjustable tines to suit any crop, an arrangement not provided in any other maker's double-action machine.

164—"Universal" Haymaker, BA, No. 2; manufactured by the Exhibitors. Price £11. Similar to the preceding article, but with back action only.

165—Manchester Prize Patent "Star" Horse Rake, MB, with 28 Teeth, 9 ft. wide; manufactured by the Exhibitors. Price £10. The "Star" rake won the First Prize of £20 against all the leading makers at the Manchester Meeting of the R.A.S.E. in 1869.

166—Manchester Prize Patent "Star" Horse Rake, MC, with 24 Teeth, 8 ft. wide; manufactured by the Exhibitors. Price £10. Twenty-five thousand "Star" rakes have been sold since 1869. No better proof can be required of their efficiency.

167—Manchester Prize Patent "Star" Horse Rake, MH, No. 8, and Seat; manufactured by the Exhibitors. Price £11 15s. With extra large teeth and wheels 54 in. high. Will collect and rake clean at the same time.

168—Manchester Prize Patent "Star" Horse Rake, MX, No. 8, with Seat; manufactured by the Exhibitors. Price £16 10s. A very large rake for collecting hay in large fields or parks. Teeth of enormous capacity; wheels 5 ft. 6 in. high.

169—Anglo-American Horse Rake, A B 8; manufactured by the Exhibitors. Price £9. Designed to meet the demand for very light rakes, similar to those imported from America, but possessing the advantages of the stronger and more durable English rakes.

170—New Self-Acting Horse Rake, s c 8; manufactured by the Exhibitors. Price £12. In this rake the load is delivered without any exertion on the part of the driver, and with no appreciable addition to the work of the horse.

171—4-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £150. A type of the portable engines, manufactured by the Exhibitors, of various sizes, and adapted for all purposes where steam power is not permanently required.

Stand No. 6.—*Hunt and Tawell, Earls Colne, Halstead, Essex.*

Article 172—Steam-Power Seed Drawer, with Dressing Apparatus; manufactured by the Exhibitors. Price £57. For drawing clover and trefoil seed.

173—No. 6 Corn and Seed-Dressing Machine; manufactured by the Exhibitors. Price £8 10s., if fitted with blowing hopper, 10s. extra. Has fixed screen, riddles 22 in. by 18 in. Price includes set of six sieves.

174—No. 7 Corn and Seed-Dressing Machine; manufactured by the Exhibitors. Price £8. Has fixed screen, riddles 22 in. by 18 in. Price includes set of six sieves.

175—No. 3 Corn and Seed-Dressing Machine; manufactured by the Exhibitors. Price £6. Specially recommended for small occupiers, riddles 16 in. by 15 in. Complete with four sieves.

176—Hand-Power Threshing Machine, A 1; manufactured by the Exhibitors. Price £10. Fitted with peg drum, 18 in. wide.

177—Pony Gear, H 29-3; manufactured by the Exhibitors. Price £7. Suitable for driving stacking machines, churns, pumps, and small chaff-cutters.

178—Light One-Horse Gear, x 9; manufactured by the Exhibitors. Price £10 5s. Has separate intermediate motion, and is specially adapted for driving light agricultural machinery.

179—One-Horse Gear, H 37-3; manufactured by the Exhibitors. Price £11 10s. With increasing motion on same frame, and spring clutch, suitable for driving threshing machines.

180—Two-Horse Gear, H W 53; manufactured by the Exhibitors. Price £14 10s. A strong serviceable gear, with separate intermediate motion, suitable for general work.

181—Extra Strong Two-Horse Gear, H W 47; manufactured by the Exhibitors. Price £17. With separate intermediate motion.

182—Hand-Power Chaff Cutter, H C 1; manufactured by the Exhibitors. Price £2 5s. Fixed mouth 7½ in. by 2½ in. Cuts one length.

183—Hand-Power Chaff Cutter, H C 3; manufactured by the Exhibitors. Price £2 10s. Rising mouth 7½ in. by 2½ in. Cuts one length.

184—Hand-Power Chaff Cutter, H C 4; manufactured by the Exhibitors. Price £3 10s. Rising mouth 7½ in. by 3½ in. Cuts two lengths.

185—Hand-Power Chaff Cutter, H c 5; manufactured by the Exhibitors. Price £3 15s. Extra large fly-wheel, 5s. extra. Rising mouth $8\frac{1}{2}$ in. by $3\frac{1}{8}$ in. Cuts two lengths.

186—Hand-Power Chaff Cutter, H c 7; manufactured by the Exhibitors. Price £4 10s. Extra large fly-wheel, 5s. extra. Rising mouth $9\frac{1}{2}$ in. by $3\frac{1}{2}$ in. Cuts three lengths.

187—(*New Implement.*)—Hand-Power Chaff Cutter, H T A; manufactured by the Exhibitors. Price £4 2s. 6d. Rising mouth $8\frac{1}{2}$ in. by $3\frac{1}{8}$ in. Cuts two lengths. Mounted on broad cast-iron top frame with overhanging wheel; very steady in work.

188—(*New Implement.*)—Hand-Power Chaff Cutter, H T B; manufactured by the Exhibitors. Price £4 17s. 6d. Rising mouth $9\frac{1}{2}$ in. by $3\frac{1}{8}$ in. Cuts three lengths. Mounted on broad cast-iron top frame, with overhanging wheel.

189—(*New Implement.*)—Hand or Horse-Power Chaff Cutter, H T C; manufactured by the Exhibitors. Price £6 6s. Rising mouth $9\frac{1}{2}$ in. by $3\frac{1}{8}$ in. Cuts two lengths. Mounted on broad cast-iron top frame with wrought-iron legs, wheel in frame, and fitted with stop motion.

190—Hand or Horse-Power Chaff Cutter, H c 8; manufactured by the Exhibitors. Price £7 5s. Rising mouth $10\frac{1}{2}$ in. by $3\frac{1}{2}$ in. Cuts three lengths. Fitted with stop motion.

191—Oil-Cake Breaker, No. 0; manufactured by the Exhibitors. Price £2 17s. 6d. Mouth 12 inches wide. Complete with two boxes.

192—Oil-Cake Breaker, No. 1; manufactured by the Exhibitors. Price £3 3s. Mouth 12 inches wide. Complete with two boxes.

193—Oil-Cake Breaker, No. 2; manufactured by the Exhibitors. Price £3 5s. Extra large fly-wheel, 5s. extra. Mouth 14 inches wide. Complete with two boxes.

194—Biddell's Patent Bean Mill, No. 1; manufactured by the Exhibitors. Price £3 3s. Fitted with hardened triangular steel cutters and cutting plates of special hard metal, rendering them extremely durable and easy working.

195—Biddell's Patent Oat Mill, No. 4; manufactured by the Exhibitors. Price £3 3s. The roller is of hardened steel, and very durable.

196—Biddell's Patent Combined Bean and Oat Mill, No. 10; manufactured by the Exhibitors. Price £5 5s. Consists of a Biddell's bean mill and a Biddell's oat mill on one column; both barrels are attached to one spindle, and the hopper is divided by a diaphragm.

197—Hand-Power Maize Mill, M M 1; manufactured by the Exhibitors. Price £2 12s. 6d. Extra large fly-wheel, 5s. extra. The roller is of solid steel, case-hardened, and the cutting plate of very hard metal.

198—Hand or Horse-Power Maize Mill, M M 2; manufactured by the Exhibitors. Price £3 5s. Extra large fly-wheel, 5s. extra. Similar to the above, but with larger roller; will crush maize sufficiently fine for all feeding purposes, and by passing it through a second time it can be reduced to meal.

199—Smooth Roller Bruising Mill, No. 5; manufactured by the Exhibitors. Price £5. Consists of two cast-iron rollers of equal size, in cast-iron frame, mounted on wrought-iron legs, with heavy fly-wheel.

200—Smooth Roller Bruising Mill, No. 6; manufactured by the Exhibitors. Price. £9. Similar to the above, but with larger rollers and on cast-iron frame and legs.

201—Gardner's Single-Action Turnip Cutter; manufactured by the Exhibitors. Price £4 10s.

202—Gardner's Double-Action Turnip Cutter; manufactured by the Exhibitors. Price £5 10s.

203—Moody's Patent Root Grater; manufactured by the Exhibitors. Price £4 10s.

204—"Gem" Root Pulper; manufactured by the Exhibitors. Price £2 10s.; extra discs, 15s. each; no charge for cover. This machine can be supplied for pulping, slicing, or grating the roots, and the discs being interchangeable, it forms a cheap combined machine.

205—"Tiny" Root Pulper; manufactured by the Exhibitors. Price £2. The discs are 21 inches in diameter, and the extremely low price places it within the reach of even the smallest occupier.

206—Disc Root Pulper, No. 0; manufactured by the Exhibitors. Price £2 15s.; if fitted with cover, 5s. extra. The disc is 25 inches in diameter, and fitted with four knives.

207—Disc Root Pulper, No. 1; manufactured by the Exhibitors. Price £3; if fitted with cover, 5s. extra. The disc is 29 inches diameter, and fitted with four knives.

208—Disc Root Pulper, No. 2; manufactured by the Exhibitors. Price £3 5s.; if fitted with cover, 5s. extra. The disc is 29 inches diameter, and fitted with six knives.

209—Combined Disc Slicer and Cutter; manufactured by the Exhibitors. Price £3 15s. Cuts slices $\frac{1}{8}$ in. thick or finger pieces $\frac{1}{8}$ in. by $\frac{1}{2}$ in.

210—One-Row Cup Drill, No. 1; manufactured by the Exhibitors. Price £2 10s.

211—Set of Four Three-Beam Medium Solid Beam Harrows, to cover 8 ft.; manufactured by the Exhibitors. Price £4.

212—Set of Three Four-Beam Light Solid Beam Harrows, to cover 8 ft.; manufactured by the Exhibitors. Price £3 10s.

213—Pair of Three-Beam Handled Drag Harrows, to cover 7 ft. 2 in.; manufactured by the Exhibitors. Price £4 15s.

214—Wrought-Iron Land Roller, 18 inches diameter, to cover 7 ft. 6 in.; manufactured by the Exhibitors. Price £9. Can be made any width or diameter.

215—Candbridge's Patent Press Wheel Roller, 24 inches diameter, to cover 7 ft.; manufactured by the Exhibitors. Price £12 10s. Can be made any width or diameter.

216—No. 2 Horse Rake; manufactured by the Exhibitors. Price £8 10s. 8 ft. 6 in. wide, mounted on 3 ft. 6 in. wrought-iron wheels.

217—Sheep-Fold Hurdle; manufactured by the Exhibitors. Price £1 1s. 14 ft. long, 3 ft. 6 in. high, with T-iron top and ends in one piece.

218—Lamb Hurdle or Creep; manufactured by the Exhibitors. Price £1 10s.

219—Grindstone; manufactured by the Exhibitors. Price £2.

220—Horse-Power Chaff Cutter, No. 24; manufactured by the Exhibitors. Price £10.

221—5-Ft. Pig Trough; manufactured by the Exhibitors. Price 8s. 9d.

222—6-Ft. Pig Trough; manufactured by the Exhibitors. Price 10s. 6d.

223—5-Ft. Hog Trough; manufactured by the Exhibitors. Price 11s. 3d.

224—6-Ft. Hog Trough. Price 13s. 6d.

225—Circular Hog and Pig Trough, No. 1; manufactured by the Exhibitors. Price 18s.

226—Circular Hog and Pig Trough, No. 2; manufactured by the Exhibitors. Price 12s.

Stand No. 7.—*Messrs. Cheale and Sons, of Southover, Lewes, Sussex.*

Article 227—Hop Bagging Machine; improved and manufactured by the Exhibitors. Price £15 15s. For pressing hops into the pockets after they are taken off the kiln, instead of treading them in by a man. A pocket may be pressed up in from five to nine minutes without breaking the leaf, or injury to the sample. Very simple, and not liable to get out of order.

228—Improved Steerage Wheel Hop Roller and Clod Crusher; invented and manufactured by the Exhibitors. Price £8 10s. This roller is made up of a series of serrated rings. Easy work for one horse; steered by man behind, and used for breaking up the clods. Is a great labour-saving implement, and supersedes the expensive operation of chopping by hand. The roller may with safety be worked after the hops are polled.

229—Improved Steerage Wheel Hop Roller and Clod Crusher; invented and manufactured by the Exhibitors. Price £8 10s. The same as Article No. 228, but fitted with 1x notched and 1 Plain Cambridge Pattern Ring alternately.

230—Improved Steerage Wheel, Hop Roller, and Clod Crusher; invented and manufactured by the Exhibitors. Price £8 10s. The same as Article No. 228, but fitted with Plain Pattern Cambridge Rings of large diameter, and capable of breaking the largest clods.

231—2-Wheel Land Presser and Corn and Seed Drill combined, for two Rows; manufactured by A. Yates, of Mallin. Price £9 10s. The advantages of this implement consist in its following two ploughs, and clearing up every night all the work in the field; will sow all kinds of corn and seeds. Fitted with change wheels for regulating the quantity required to be sown; with lever for throwing out of gear. Can be worked by one horse and a lad.

Stand No. 8.—*William Brenton, of the East Cornwall Implement Works, Polbathic, St. Germans, Cornwall.*

Article 232—2-Horse “Nonpareil” Mowing Machine, R L; manufactured by the Exhibitor. Price £18 10s. Fitted with india-rubber buffers between pole and frame; also self-cleaning fingers.

233—2-Horse “Nonpareil” Combined Mower and Reaper, L; manufactured by the Exhibitor. Price £22 10s. Fitted with patent ear protector.

234—1-Horse “Nonpareil” Mowing Machine, R 2; manufactured by the Exhibitor. Price £17 10s.

235—1-Horse "Cornubian" Reaper; manufactured by the Exhibitor. Price £16. Fitted with patent ear protector.

236—1 or 2-Horse "Cornubian" Reaper; manufactured by the Exhibitor. Price £19. With back and side delivery and patent ear protector.

237—(*New Implement.*)—General Purpose Drill; manufactured by the Exhibitor. Price £36 10s. 3 or 4 rows of turnips and mangold, and 13 rows of corn.

238—Broadcast Corn and Seed Machine; manufactured by the Exhibitor. Price £9 5s. Well adapted for export.

239—Carriage "Telescope" Lifting Jack, No. 1; manufactured by the Exhibitor. Price 16s. 6d.

240—Cart or Carriage "Telescope" Lifting Jack, No. 2; manufactured by the Exhibitor. Price £1.

241—Improved Reaper and Mower Knife Vice; manufactured by the Exhibitor. Price 10s.

242—Model of Galvanized-Iron Patent Rick Covering; manufactured by the Exhibitor. Price 3s. per square yard.

243—(*New Implement.*)—Sample of Patent Door and Gate Fastenings; manufactured by the Exhibitor. Price from 1s. to 2s. each.

Stand No. 9.—*John L. Baker and Co., of the Cockatrice Works, Hargrave, Kimbolton, Hunts.*

Article 244—Horse Hoe; manufactured by the Exhibitors. Price £24. Garrett's Improved Lever Horse Hoe, "The Defence," fitted with Exhibitors' Improved Prize Medal Patent Self-Acting Steerage.

245—Single Row Horse-Hoe and Grubber combined; manufactured by the Exhibitors. Price £3 10s. Fitted with improved draught apparatus and adjustable steel lines, with chain or fine harrow, 6s. 6d. extra.

246—Patent Steel Double-Furrow Plough, "The Surprise" (A 1, 2); manufactured by the Exhibitors. Price £9 10s. Constructed entirely of steel, with friction wheel and expanding bodies; the lightest, strongest, most simple and effective in the world, being lighter than an ordinary single plough; it is easily managed by a strong lad; weight 2½ cwt.

247—Patent Steel Double-Furrow Plough, "The Surprise" (A 1, 2); manufactured by the Exhibitors. Price £9 10s. Similar in construction to the preceding; but fitted with skim coulters, 12s. 6d. extra.

248—Patent Steel Double-Furrow Plough, "The Surprise" (A 1, 2); manufactured by the Exhibitors. Price £9 10s. Similar in construction to the preceding; but fitted with disc skim coulters, 15s. extra.

249—Patent Steel Double-Furrow Plough, "The Surprise" (A 1, 2); manufactured by the Exhibitors. Price £9 10s. Similar in construction to the preceding; but fitted with steel digging breasts, 20s. extra.

250—Patent Steel Double-Furrow Colonial Plough, "The Surprise" (A 1, 2); manufactured by the Exhibitors. Price £9 10s. Similar in construction to the preceding; but fitted with Colonial skeith coulters, 25s. extra.

251—Patent Steel Double-Furrow Colonial Plough, "The Surprise" (A 1, 2); manufactured by the Exhibitors. Price £9 10s. Similar in construction to the preceding; but fitted with Colonial skeith coulters, 25s. extra; and wrought-iron wheels having renewable naves, 5s. extra.

252—Patent Steel Double-Furrow Plough, "The Surprise" (A 1, 3); manufactured by the Exhibitors. Price £9 15s. Similar in construction to the preceding, but fitted with extra long steel breasts.

253—Patent Double-Furrow Plough; manufactured by the Exhibitors. Price £8 10s. Entirely of wrought iron and steel, with friction wheel and expanding bodies; weight 2½ cwt.

254—Patent Double-Furrow Plough; manufactured by the Exhibitors. Price £8 10s. Similar to the above; but fitted with skim coulters, 12s. 6d. extra.

255—Patent Double-Furrow Plough; manufactured by the Exhibitors. Price £8 10s. Similar to the above; but fitted with steel digging breasts, 20s. extra.

256—Patent Double-Furrow Colonial Plough; manufactured by the Exhibitors. Price £8 10s. Similar to the above; but fitted with Colonial skeith coulters, 25s. extra.

257—Patent Double-Furrow Colonial Plough; manufactured by the Exhibitors. Price £8 10s. Similar to the above; but fitted with Colonial skeith coulters, 25s. extra; and wrought-iron wheels, having renewable naves, 5s. extra.

258—Set of Improved Whippetrees; manufactured by the Exhibitors. Price £1 10s. Suited equally for two or three horses abreast, or at length. Especially adapted for three horses abreast, with double ploughs.

Stand No. 10.—*Henry Cooch, of Harlestone, Northampton.*

Article 259—A Royal First Prize Improved Patent Corn-Dressing or Winnowing Machine No. 3; manufactured by the Exhibitor. Price £14 10s. This machine, during the 79 years it has been manufactured, has been acknowledged to be superior to any other for dressing all kinds of grain, and awarded by the R.A.S.E. every First Prize for which it has competed since 1841, including that of £15 at the last great Trials at Cardiff.

260—Corn Elevator; manufactured by the Exhibitor. Price £5. Works with above machine, delivering the grain into sacks. It saves labour and prevents waste.

261—Improved Patent Corn-Dressing or Winnowing Machine No. 4; manufactured by the Exhibitor. Price £15 10s. Similar to Article No. 259, but larger. Will thoroughly dress 15 quarters of wheat per hour. An apparatus for dressing seeds can be attached to either this or the No. 3 Machine.

262—Corn Elevator; manufactured by the Exhibitor. Price £5. Similar to Article No. 260, but larger, and adapted for working with Article No. 261.

263—Improved Patent Seed-Dressing Machine, No. 1; manufactured by Exhibitor. Price £14. For seed merchants' and growers' use. This machine has been much improved, and is capable of dressing any kind of seeds, except very light grasses. It makes five complete separations.

264—Seed-Dressing Machine, No. 2; manufactured by the Exhibitor. Price £15. Similar to the preceding, but larger.

265—Patent Combined Sack Holder and Barrow; manufactured by the Exhibitor. Price £1 10s. An implement for holding sacks whilst being filled, combined with the ordinary barrow. With its aid sacks may be filled with ease by a lad.

266—Patent Combined Sack Holder and Barrow; manufactured by the Exhibitor. Price £1 10s. Similar to the preceding, but size larger for 5-bushel sacks.

267—Improved Broadcast Barrow Seed Drill; manufactured by the Exhibitor. Price £3 10s. For sowing clovers, grasses, turnips, and other small seeds. Is fitted with an improved method for throwing it in and out of gear at the headland.

Stand No. 11.—*Samuelson and Co., of the Britannia Works, Banbury, Oxfordshire.*

Article 268—Patent "Omnium" Self-Raking Reaping Machine, with Side Delivery in Sheaf; manufactured by the Exhibitors. Price, with 2 sickles, £27 10s. Fitted with a lever for instantaneously raising or lowering the points of the fingers, patented draught arrangement for diminishing side-draught, improved offside swivel wheel, and new patent open pattern welded steel and iron fingers, practically indestructible.

269—Patent "Omnium" Self-Raking Reaping Machine, with Side Delivery in Sheaf; manufactured by the Exhibitors. Price, with 2 sickles, £29. Fitted as Article No. 268, with the addition of apparatus for controlling the rakes, whereby the sheaf may be carried on the platform, and not discharged, while the machine is turning the corners of the field.

270—Patent "Original" Self-Raking Reaping Machine, with Side Delivery in Sheaf; manufactured by the Exhibitors. Price, with 2 sickles, £34 5s. Fitted with 4 arms, carrying 2 rakes and 2 dummies, shaft and seat for the driver, and improved foot-starting gear; also having the new patent welded steel and iron fingers.

271—New Patent "Imperial" Self-Raking Reaping Machine; manufactured by the Exhibitors. Price, with 2 sickles, £30. Fitted with 6 arms for rakes and dummies. The cutter bar of this machine is hinged, and can be readily turned up for travelling; the bar is also in a direct line with the axle of the travelling wheel, ensuring rapidity in turning without disturbing the surface of the ground.

272—New Patent "Imperial" Self-Raking Reaping Machine; manufactured by the Exhibitors. Price, with 2 sickles, £32. A similar machine in construction to Article No. 271, but fitted with means whereby any, or all, of the 6 rakes may be controlled, and the sheaves may be retained on the platform or discharged at the pleasure of the driver without stopping the machine.

273—New Patent "Imperial" Self-Raking Reaping Machine; manufactured by the Exhibitors. Price, with 2 sickles, £31. A similar machine to Article No. 272, but having only 4 rakes or dummies, and fitted with the apparatus for controlling same.

274—New Patent "Handy" Manual Back-Delivery Reaper; manufactured by the Exhibitors. Price, with 2 sickles, £17. With pole for 2 horses. Fitted with new patent welded steel and iron fingers, improved scraper to the drive wheel, &c., cutting on the left hand of driver.

275—New Patent "Handy" Manual Back-Delivery Reaper; manufactured by the Exhibitors. Price, with 2 sickles, £15 10s. With shafts for 1 horse, and cutting on the left hand of driver.

276—Patent "Eclipse" Reaper, with Manual Delivery at the Back; manufactured by the Exhibitors. Price, with 2 sickles, £17. Fitted with pole for 2 horses. This machine is simplicity itself, working with only 1 driving wheel and 1 pinion.

277—Patent “Eclipse” Reaper, with Manual Delivery at the Back; manufactured by the Exhibitors. Price, with 2 sickles, £15 10s. A similar machine to Article No. 276, but fitted with shafts for 1 horse.

278—Patent Balance Draught Combined Reaping and Mowing Machine “p;” manufactured by the Exhibitors. Price, with 2 sickles, £22. With inclined cut, and fitted with the new patent welded steel and iron fingers, cutting on left hand of driver.

279—New Patent Balance Draught Combined Reaping and Mowing Machine, the “Gem;” manufactured by the Exhibitors. Price, with 2 sickles, £22. With inclined cut; fitted with new patent welded steel and iron fingers, and cutting on right hand of driver. This machine has a simple sickle holder, rendering the changing of knives the work of a few seconds only.

280—Patent Balance Draught Grass-Mowing Machine “p;” manufactured by the Exhibitors. Price, with 2 sickles, £18 10s. A similar machine to Article No. 278, but without reaping attachments.

281—Patent Balance Draught Grass-Mowing Machine, the “Gem;” manufactured by the Exhibitors. Price, with 2 sickles, £18 10s. Combining the same improvements, and a similar machine to Article No. 279, but without reaping attachments.

282—Patent Balance Draught 1-Horse Grass-Mowing Machine “r;” manufactured by the Exhibitors. Price, with 2 sickles, £17. Fitted with 3 ft. 6 in. beam, and the new patent welded steel and iron fingers.

283—Gardner’s Patent “Banbury” Turnip Cutter, with 30 Knives, for Sheep; manufactured by the Exhibitors. Price £4 10s.

284—Gardner’s Patent “Banbury” Turnip Cutter for Sheep and Beasts; manufactured by the Exhibitors. Price £5 10s. In one direction cutting 30 pieces for sheep, and by reversing the motion cutting slices for cattle.

285—Patent Chaff-Cutter “d;” manufactured by the Exhibitors. Price £2 18s. Fitted with rising mouthpiece and with brass bearings.

286—Patent “Amateur’s” Lawn-Mowing Machine, to Cut 8 In. Wide; manufactured by the Exhibitors. Price £2. A strong but easy working machine, made with the same care as the larger lawn mowers.

287—New pattern “Favorite” Lawn-Mowing Machine, to Cut 10 In. Wide; manufactured by the Exhibitors. Price £3 5s. Very light in draught, and quiet in use; delivery as desired, either behind for distributing the cut grass, or in front with a box for collection; can be worked by a girl or boy.

288—New pattern “Favorite” Lawn-Mowing Machine, to Cut 12 In. Wide; manufactured by the Exhibitors. Price £4.

289—New pattern “Favorite” Lawn-Mowing Machine, to Cut 14 In. Wide; manufactured by the Exhibitors. Price £5.

290—Patent Pony Lawn-Mowing Machine, to Cut 30 In. Wide; manufactured by the Exhibitors. Price £16. The grass box of this machine is fitted with loose and sliding end, whereby the cut grass can be instantaneously discharged without removing the box from the machine.

291—(New Implement.)—Patent Hay Press; manufactured by Th. Pilter, of Paris. Price £105. This press is adapted for making cylindrical bales of hay, straw, cotton, or other substances.

292—4-Horse Power Portable Steam Engine; manufactured by R. Garrett & Sons, of Leiston. Price £150. With machine-flanged boiler and corrugated fire-box; also fitted with registered water-heater, complete.

Stand No. 12.—*The Reading Iron Works (Limited), of Reading, Berkshire.*

Article 293—7-Horse Power Agricultural Traction Engine; manufactured by the Exhibitors. Price £380. Fitted with fast and slow speeds. (*See Machines in Motion.*)

294—4-Horse Power Vertical Steam Engine, with Patent "Nozzle" Boiler on same Bed-Plate; manufactured by the Exhibitors. Price £100. This boiler was awarded a Special Medal of the R. A. S. E. at Bedford. (*See Machines in Motion.*)

295—8-Horse Power R. A. S. E. Prize Portable Steam Engine; with jacketed cylinder, and improved water-heater; manufactured by the Exhibitors. Price £210. Awarded £20 Prize at the last Competitive Trials of the R. A. S. E. (*See Machines in Motion.*)

296—New Improved Horizontal Fixed Steam Engine, with Cylinder, 12 in. diameter by 18 in. stroke; manufactured by the Exhibitors. Price £190. Fitted with expansion valve, governors, and feed pump, as supplied to the Lords of the Admiralty, mounted on strong metal base-plate.

297—12-Horse Power Horizontal Fixed Steam Engine, Class B; manufactured by the Exhibitors. Price £110. Fitted with governors, feed pump, &c.

298—3-Horse Power Horizontal Steam Engine, with Patent "Nozzle" Boiler on same Base-Plate; manufactured by the Exhibitors. Price £100.

299—2-Horse Power Horizontal Steam Engine; manufactured by the Exhibitors. Price £25.

300—1-Horse Power Horizontal Steam Engine, manufactured by the Exhibitors. Price £20.

301—Improved Circular-Saw Bench; manufactured by the Exhibitors. Price £30. Fitted with adjustable boring table and augers, improved fence for cutting bevels, and fast and loose pulleys.

302—Patent Endless-Band Sawing Machine; manufactured by the Exhibitors. Price £26. With strong planed table, 39 in. by 31 in., saw pulleys 24 in. diameter, and fast and loose driving pulleys.

303—Patent Horse-Power Thrashing Machine, with Safety Gear-Work; manufactured by the Exhibitors. Price £44. Fitted for two pairs of horses, complete on travelling carriage. Packs in small compass, and specially suited for exportation.

304—2-Horse Power Thrashing Machine, with Drum 22 in. wide by 18 in. diameter; manufactured by the Exhibitors. Price £28 5s. Fitted with patent safety gear work to fit.

305—1-Horse Power Open Gear Work; manufactured by the Exhibitors. Price £8 10s. Admirably adapted for working churns, chaff cutters, &c.

306—Hand-Power Chaff Cutter, "S H;" manufactured by the Exhibitors. Price £6 15s.

307—Hand-Power Chaff Cutter, "S I;" manufactured by the Exhibitors. Price £2 10s.

308—Hand-Power Crushing Mill, "J B A," for Oats; manufactured by the Exhibitors. Price £3 17s. 6d.

309—Hand-Power Crushing Mill, "J O," for Oats and Beans; manufactured by the Exhibitors. Price £6 6s.

310—R. A. S. E. Prize Hand-Power Barley Horner; manufactured by the Exhibitors. Price £5 5s.

311—Hand-Power Oil-Cake Mill; manufactured by the Exhibitors. Price £3 10s.

312—1-Horse Scotch Cart for Farm Purposes, with wheels 3 Ft. wide; manufactured by the Exhibitors. Price £14 10s. Swept harvest frame, £1 15s. extra.

313—Improved Broadcast Seed Machine with Continuous Slides for Grass, Clover, and small Seeds, Box 12 ft. long; manufactured by the Exhibitors. Price £3 10s.

314—R. A. S. E. "Taunton" Prize Double-Action Haymaker; manufactured by the Exhibitors. Price £15. With backward and forward motions, and strong simple gearing. Wire screen, 12s. 6d. extra.

315—Patent "Lock" Horse Rake, No. 2 A; manufactured by the Exhibitors. Price £10. With screw adjustment, solid axle, 24 steel teeth, improved π section, wrought-iron wheels 24 in. high, extreme width 8 ft. Seat for driver and double levers, 15s. extra.

316—Patent "Lock" Horse Rake, No. 1 A; manufactured by the Exhibitors. Price £10 15s. Similar in construction to Article No. 315, but with 28 teeth; extreme width, 9 ft.

317—1-Wheel Plough for a Pair of Horses, with Wood Beam and Handles, and steel breast; manufactured by the Exhibitors. Price £3 7s. 6d.

318—Mackie's Patent Wrought-Iron Spring Drum or Driving Pulley; manufactured by the Exhibitors. Price 15s. 6d. 10 in. diam. by 5 in. wide; can be sprung open and affixed to shafting in a few minutes. They combine simplicity, lightness, strength, and cheapness. 500 firms already using them.

319—Mackie's Patent Pulley, 10 in. by 6 in.; manufactured by the Exhibitors. Price 17s.

320—Mackie's Patent Pulley, 12 in. by 5½ in.; manufactured by the Exhibitors. Price 17s. 6d.

321—Mackie's Patent Pulley, 12 in. by 7 in.; manufactured by the Exhibitors. Price £1.

322—Mackie's Patent Pulley, 15 in. by 6 in.; manufactured by the Exhibitors. Price £1.

323—Mackie's Patent Pulley, 16 in. by 5 in.; manufactured by the Exhibitors. Price 19s.

324—Mackie's Patent Pulley, 16 in. by 6 in.; manufactured by the Exhibitors. Price £1 0s. 6d.

325—Mackie's Patent Pulley, 17 in. by 5 in.; manufactured by the Exhibitors. Price £1 0s. 6d.

326—Mackie's Patent Pulley, 18 in. by 5 in.; manufactured by the Exhibitors. Price £1 2s.

327—Mackie's Patent Pulley, 18 in. by 7 in.; manufactured by the Exhibitors. Price £1 5s. 6d.

328—Mackie's Patent Pulley, 20 in. by 10 in.; manufactured by the Exhibitors. Price £1 13s.

329—Mackie's Patent Pulley, 20 in. by 6 in.; manufactured by the Exhibitors. Price £1 6s. 6d.

330—Mackie's Patent Pulley, 22 in. by 8 in.; manufactured by the Exhibitors. Price £1 13s.

331—Mackie's Patent Pulley, 23 in. by 9 in.; manufactured by the Exhibitors. Price £1 16s. 6d.

332—Mackie's Patent Pulley, 26 in. by 4 in.; manufactured by the Exhibitors. Price £1 10s.

333—Mackie's Patent Pulley, 27 in. by 8 in.; manufactured by the Exhibitors. Price £2 1s.

334—Mackie's Patent Pulley, 28 in. by 16 in.; manufactured by the Exhibitors. Price £3 3s. 6d.

335—Mackie's Patent Pulley, 36 in. by 6 in.; manufactured by the Exhibitors. Price £2 7s. 6d.

336—Mackie's Patent Pulley, 40 in. by 6 in.; manufactured by the Exhibitors. Price £2 16s.

337—Mackie's Patent Pulley, 45 in. by 5 in.; manufactured by the Exhibitors. Price £3 4s. 6d.

338—Mackie's Patent Pulley, 48 in. by 5 in.; manufactured by the Exhibitors. Price £3 8s. 6d.

339—Mackie's Patent Pulley, 48 in. by 8½ in.; manufactured by the Exhibitors. Price £3 18s. 6d.

340—Mackie's Patent Pulley, 50 in. by 12 in.; manufactured by the Exhibitors. Price £4 17s.

341—Mackie's Patent Pulley, 60 in. by 6 in.; manufactured by the Exhibitors. Price £5 1s.

Stand No. 13.—*John and Barnard Sainty, of Wisbech, Cambridgeshire.*

Article 342—(*New Implement.*)—Patent Winnowing Machine, with Patent Sacking Elevator; invented and manufactured by the Exhibitors. Price £7 15s. The machine is the full size, with moving screen and full-size riddles, less 5 per cent. for cash.

343—Patent Times Winnowing Machine; manufactured by the Exhibitors. Price £4 10s. The machine has a moving screen, full-size riddles. Less 5 per cent. for cash.

344—Patent Winnowing Machine; invented and manufactured by the Exhibitors. Price £5. The machine has a moving screen and full-size riddles, with patent separating plate. Less 5 per cent. for cash.

345—(*New Implement.*)—Patent Winnowing Machine; manufactured by the Exhibitors. Price £3 10s. The machine has a moving screen and 6 riddles, 18 by 14; a thorough dresser. Less 5 per cent. for cash.

346—(*New Implement.*)—Patent Separator for Seed Corn; manufactured by the Exhibitors. Price £9. Invaluable for the farmer for separating all kinds of seeds from grain before sowing. Less 5 per cent. for cash.

Stand No. 14.—*John Gregory, of Westoe, South Shields, Durham.*

Article 347—Sheep Rack; manufactured by the Exhibitor. Price £4. The above is fitted with bars fitted in diagonally, and new arrangement for cleaning troughs out, 11 ft. long, mounted on 12-in. wheels.

348—Combined Mowing and Reaping Machine; manufactured by the Exhibitor. Price £22. Is strong, durable, and very light in draught; fitted with steel-lined fingers, and lever for raising and lowering finger points.

349—1-Horse Reaping Machine; manufactured by the Exhibitor. Price £13. Has been awarded First Prize at several important trials.

350—1-Horse Cart; manufactured by the Exhibitor. Price £15. To carry 25 cwt.; fitted with patent axle, brass caps, and loose sideboards.

351—Balance Weight Turnip Cutter; manufactured by the Exhibitor. Price £1 16s. A very strong and serviceable machine; very easily worked, on account of lever.

Stand No. 15.—*John Baker, of the Falcon Works, Wisbeach, Cambridgeshire.*

Article 352—Royal Gold Medal Prize Combined Winnower, with Corn Elevator; manufactured by the Exhibitor. Price £14. This celebrated machine has no equal for cleaning and separating all kinds of grain and seeds for market. Made by special steam machinery. The whole of the works are confined to the manufacturing of these machines; suitable for all countries.

353—Combined Winnower, with Blowing Apparatus and Bottom Oscillating Screen; manufactured by the Exhibitor. Price £11.

354—Combined Winnower, with Blowing Apparatus and Seed Sieves; manufactured by the Exhibitor. Price £10 10s.

355—Royal Prize Corn-Dressing Machine; manufactured by the Exhibitor. Price £10.

356—Royal Prize Combined Winnower with Seed Riddles; manufactured by the Exhibitor. Price £9 10s.

357—Royal Prize Corn-Dressing Machine; manufactured by the Exhibitor. Price £9.

358—Royal Prize Corn-Dressing Machine; manufactured by the Exhibitor. Price £8 15s.

359—Royal Prize Winnower, Fitted with Seed Riddles; manufactured by the Exhibitor. Price £8.

360—Royal Prize Set of Scotch Fanners; manufactured by the Exhibitor. Price £7.

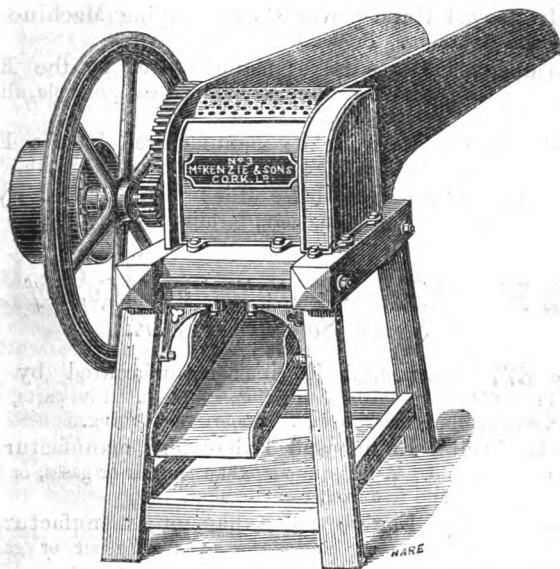
361—Prize Corn-Dressing Machine; manufactured by the Exhibitor. Price £6 10s.

Stand No. 16.—*McKenzie and Sons, Limited, of Camden Quay and Ceres Iron Works, Cork, Ireland.*

Article 362—Double-Drill Turnip and Mangold Sower (James McKenzie's Patent); manufactured by the Exhibitors. Price £7 10s. Can be adapted for either ridge or flat work. Advantages: non-cutting of the seed, regular and continuous delivery, simplicity and strength.

363—Single-Drill Turnip and Mangold Sower, for Ridge Work; manufactured by the Exhibitors. Price £1 7s. 6d.

364—(*New Implement.*)—Furze or Gorse “Masticator,” Size M 2 ; manufactured by the Exhibitors. Price £10 10s. Furze possesses most valuable feeding properties. This machine is intended to make it edible by cattle, horses, &c., rendering the prickles inert ; it is also most effective as a bean and maize kibbler.



365—(*New Implement.*)—Furze or Gorse “Masticator,” Size M 3 ; manufactured by the Exhibitors. Price £15 15s. For horse or steam power. This machine is likewise effective as a bean and maize kibbler.

366—Furze or Gorse Bruiser (Walsh’s Patent) ; manufactured by the Exhibitors. Price £13 13s.

367—Specimen Roll of McKenzie’s Patent Portable Sheep-Folding Fence ; manufactured by the Exhibitors. Price 7½d. per yard, if painted sticks, 10½d. per yard.

368—1-Horse Peg Thrashing Machine ; manufactured by the Exhibitors. Price £8 10s. Specially adapted for small occupations.

369—1-Horse Gear ; manufactured for the Exhibitors. Price £8 10s. Adapted for driving small thrashing machine previously described, as well as for driving other machinery.

Stand No. 17.—*Thomas Allcock, of Ratcliffe-on-Trent, Nottingham.*

Article 370—Improved Patent Chaff Cutter ; manufactured by the Exhibitor. Price £15 10s. With three knives, patent safety guard ; impossible to have the feeder’s hand cut ; 14-in. mouth, &c. ; cuts two lengths without change of wheels.

371—Improved Patent Chaff Cutter, No. 2; manufactured by the Exhibitor. Price £10. 10-in. mouth; cuts two lengths without change of wheels; has patent safety guard, &c.

372—Improved Patent Chaff Cutter, for Hand Power; manufactured by the Exhibitor. Price £4 10s. Cuts two lengths, &c.

373—Improved Hand-power Road Scraping Machine; manufactured by the Exhibitor. Price £6.

374—Improved Horse Rake; manufactured by the Exhibitor. Price £10. With seat for driver, teeth of an improved principle, all the latest improvements, and 28 steel teeth.

375—Improved Horse Rake; manufactured by the Exhibitor. Price £9. For manual power; back delivery; with 28 steel teeth, &c.

376—Improved Steerage Horse Hoe; manufactured by the Exhibitor. Price £7 10s. For hoeing corn, turnips, &c.

Stand No. 18.—*G. Waller and Co., of Holland Street, Southwark, S.E.*

Article 377—Horizontal Engine; manufactured by the Exhibitors. Price £50. Improved construction, simple in all its parts, thoroughly well made, and carefully designed for economy in working.

378—Horizontal Engine and Exhauster; manufactured by the Exhibitors. Price £65. Apparatus for exhausting air or gases, or for ventilation; very compact, and free from complication.

379—Horizontal Engine and Exhauster; manufactured by the Exhibitors. Price £100. Apparatus for exhausting air or gases, or for ventilation; very compact, and free from complication, but of different construction.

380—Vertical Engine and Exhauster; manufactured by the Exhibitors. Price £80. For the same purpose as Article No. 379; made vertical to save floor space where there is little to spare.

381—Sewage Pump; manufactured by the Exhibitors. Price £15. Portable; very suitable for pumping cesspools, ponds, manure tanks, &c.; is most efficient in action, and not likely to get out of order.

382—Penstock; manufactured by the Exhibitors. Price £8 2s. For sewage, reservoirs, or other purposes; all sizes kept in stock.

383—Tide Valve; manufactured by the Exhibitors. Price £2 10s. For drainage of land, &c.; all sizes kept in stock.

384—Stoneware Pipes with Galvanized Flap; manufactured by the Exhibitors. Price 18s. For pipe drain.

385—Tide Flap; manufactured by the Exhibitors. Price £1 2s. For river walls.

386—Three Stink Traps of different kinds; manufactured by the Exhibitors. Price 1s. 2d., 3s., and 2s. 6d. each.

387—Drain and Gully Cleaning Tools; manufactured by the Exhibitors. Price £8 10s. For removing any obstruction in pipe drains.

388—Foot Iron; manufactured by the Exhibitors. Price 1s. 8d. For sewer manholes.

389—Door and Frame; manufactured by the Exhibitors. Price £2 10s. For sewer entrances and various purposes.

390—Ventilating Door and Frame; manufactured by the Exhibitors. Price £1 12s. 6d.

391—Soil Pipe Ventilator; manufactured by the Exhibitors. Price £1 1s.

392—Latham's Patent Sewer Ventilator; manufactured by the Exhibitors. Price £3 18s.

393—Patent Steam Governor for Engine; manufactured by the Exhibitors. Price £25.

394—Water Valves and other kinds to stand Heavy Pressure; manufactured by the Exhibitors. Price £5.

395—Gunmetal Cocks, Boiler Fittings, Patent Spanners on Board; manufactured by the Exhibitors. Price £11.

Stand No. 19.—*Alfred Edwards, of 17 and 19, Southampton Road, Haverstock Hill; and 272, Kentish Town Road, London, N.W.*

Article 396—Vertical Steam Engine and Boiler Combined; manufactured by Hempstead & Co., of Grantham. Price £53. 1½-horse power, and boiler combined, on travelling wheels, with water-tank and ash-pit.

397—Vertical Steam Engine and Boiler Combined; manufactured by Riches and Watts, of Norwich. Price £65. 2-horse power vertical steam engine and boiler combined, with water-tank and ash-pit.

398—Vertical Engine; manufactured by Riches & Watts. Price £40. 3-horse power vertical engine.

399—Improved American Grist Mill; manufactured by Riches & Watts. Price £20.

400—Improved American Grist Mill; manufactured by Riches & Watts. Price £17.

401—Chaff Cutting Machine, c; manufactured by Cottis & Sons, of Epping. Price £4 10s. 9½ in. rising mouth, cuts 2 lengths.

402—Chaff Cutting Machine, d; manufactured by Cottis & Sons. Price £6 16s. 6d. 10½ in. rising mouth, with stop and reverse motion and safety lever.

403—Chaff Cutting Machine, c s i; manufactured by Bentall & Co., of Malden. Price £9 15s. For steam, water, or horse-power, with 2 knives, and rising mouth 12 in. by 3½ in.; cuts 3 lengths.

404—Chaff Cutting Machine, c d e; manufactured by Bentall & Co. Price £6 6s. For horse or hand-power, with 2 knives, and rising mouth 9½ in. by 3½ in.; cuts 3 lengths.

405—Patent and other Tube Brushes; manufactured by the Exhibitor. Prices, Patent from 6s. 6d. upwards; others from £7 10s. per gross. The Edwards' Patent Disc Tube Brush can be refilled with sweeping material by any one in a few minutes, the tufts being supplied in packets at 6d.

406—Driving Bands in Leather and India-rubber, Small Belting, Oil Feeders, Lubricators, Strap Fasteners, Patent Steam Packing, Pulley Blocks, &c. Prices various.

Stand No. 20.—*John Spencer and Sons, of the Newburn Steel Works, Newcastle-on-Tyne.*

Article 407—Collection of Steel Castings for Traction and Agricultural Engines; manufactured by the Exhibitors. (*Not for Sale.*)

408—Collection of Steel Castings for various purposes; manufactured by the Exhibitors. (*Not for Sale.*)

Stand No. 21.—*Hadfield's Steel Foundry Co., of the Hecla Foundry, Sheffield, Yorkshire.*

Article 409—Crucible Cast-Steel Castings for Traction, Portable, and other Engines; Seed-Crushing Rolls; Gearing of every description for Agricultural and other purposes. Price varies, according to size and weight.

Stand No. 22.—*William Whiteley and Sons, of Lockwood, Huddersfield, Yorkshire.*

Article 410—Samples of Malleable Castings; manufactured by the Exhibitors. Price 30s. to 50s. per cwt. Various descriptions for agricultural machinery.

411—Set of Best Malleable 5-Ft. Beater Plates; manufactured by the Exhibitors. Price £1 2s. 6d. per set. For drum centres of thrashing machines.

412—Set of Best Malleable 4-Ft. 6-In. Beater Plates; manufactured by the Exhibitors. Price £1 per set. For drum centres of thrashing machines.

413—Set of Best Malleable 4-Ft. Beater Plates; manufactured by the Exhibitors. Price 17s. 6d. per set. For drum centres of thrashing machines.

414—Set of Bright Malleable Double-Ended Keys (Flat); manufactured by the Exhibitors. Price 7s. per set. $\frac{3}{8}$ in. to 2 in. between jaws; 9 keys.

415—Set of Best Malleable Double-Ended Keys (Black); manufactured by the Exhibitors. Price 8s. per set. Ordinary pattern; $\frac{1}{4}$ in. to 2 $\frac{1}{4}$ in. between jaws; 9 keys.

416—Set of Best Malleable Double-Ended Keys (Black); manufactured by the Exhibitors. Price 7s. per set. Improved pattern; $\frac{3}{8}$ in. to 2 in. between jaws. Any sizes of double-ended keys made to order.

417—Samples of Best Malleable Single-Ended Keys; manufactured by the Exhibitors. Price £1 12s. 8d. per cwt. $\frac{1}{2}$ in. to 3 in. between jaws. Any size of single-ended keys made to order.

418—Assortment of Malleable Castings; manufactured by the Exhibitors. Price from £1 15s. to £2 16s. per cwt. For lawn mowers, mincing machines, sausage machines, knife cleaners, milk-can tops, churns, bands and gudgeons, hinges, &c., for heating and cooking apparatus.

419—Set of Best Malleable Mail or Axle Keys; manufactured by the Exhibitors. Price 3s. per set. To fit caps from 1 $\frac{1}{2}$ in. to 2 $\frac{1}{2}$ in. diam.; 6 keys.

420—Set of Best Malleable Cock Spanners; manufactured by the Exhibitors. Price 3s. per set. To fit steam and water cocks from $\frac{3}{8}$ in. across square to $1\frac{1}{2}$ in.; 6 keys.

421—One-Hand Drilling Machine; manufactured by the Exhibitors. Price £3 10s. With Fly-wheel.

422—Samples of Best Malleable Steam Engine Castings and Boiler Mountings; manufactured by the Exhibitors. Price £1 10s. to £2 10s. per cwt.

423—Samples of Various Descriptions of Best Malleable Iron Castings for Textile Machinery; manufactured by the Exhibitors. Price £1 12s. to £2 10s. per cwt.

424—Centaplex Window Blind Fixture; manufactured by Hodgson and Co., of Leeds. Price, No. 1, 12s.; No. 3, 18s. per dozen. Supercedes all others as regards cheapness, simplicity, and efficiency.

425—Abbott's Patent School Desk; manufactured by the Exhibitors. Price 4s. per foot. Comprising a sloping desk, a comfortable backed seat, to face in opposite directions according to requirements, and a table for tea meetings. A principal feature of this desk is that the seat will turn over or stand up, so as to leave a clear gangway.

426—Show Case of Steam and Water Brass Fittings; manufactured by Joseph Shaw, of Lockwood. (*Not for Sale.*)

427— $\frac{1}{2}$ -In. Shaw's Patent Union Joint; manufactured by Joseph Shaw. Price 2s. 3d. B quality. Brass, with loose malleable flanges for coupling wrought-iron pipes.

428— $\frac{1}{2}$ -In. Shaw's Patent Union or Joint; manufactured by Joseph Shaw. Price 3s. 3d. As Article No. 427.

429—1-In. Shaw's Patent Union or Joint; manufactured by Joseph Shaw. Price 4s. 6d. As Article No. 427.

430—1 $\frac{1}{2}$ -In. Shaw's Patent Union or Joint; manufactured by Joseph Shaw. Price 6s. 9d. As Article No. 427.

431—1 $\frac{1}{2}$ -In. Shaw's Patent Union or Joint; manufactured by Joseph Shaw. Price 8s. 9d. As Article No. 427.

432—2-In. Shaw's Patent Union or Joint; manufactured by Joseph Shaw. Price 12s. 3d. As Article No. 427.

433—Sash Cramp, made from best Brass and Spring Steel; manufactured by William Hayhurst, of Burnley. Price 16s. per pair. Strength 1 by $\frac{1}{4}$; length 20 in. to 26 in. If with spring sneck, 5s. per pair extra.

434—Joiners' and Wheelwrights' Iron Cramp; manufactured by William Hayhurst. Price £1 18s. per pair. Strength 2 by $\frac{3}{8}$; length 3 ft.

435—A 1 Improved Bench Cramp; manufactured by William Hayhurst. Price £2 16s. per pair. Length 4 ft.

436—Joiners' Holdfast; manufactured by William Hayhurst. Price 8s. each.

437—Joiners' Bench Vice; manufactured by William Hayhurst. Price £1 12s. each. 24-in. screw.

438—Set of Stocks, Dies, and Taps, No. 1; manufactured by Halsall & Son, of Bury. Price, with taper and plug-tap to each size, £1 9s. 4d.; with master tap to each size, £2 5s. 4d. For $\frac{1}{4}$ in., $\frac{5}{16}$ in., $\frac{3}{8}$ in., $\frac{7}{8}$ in.

439—Set of Stocks, Dies, and Taps, No. 5; manufactured by Halsall & Son. Price, with taper and plug-tap to each size, £1 16s.; with master tap to each size, £2 16s. 8d. For $\frac{1}{4}$ in., $\frac{5}{16}$ in., $\frac{3}{8}$ in.

440—Set of Stocks, Dies, and Taps, No. 8; manufactured by Halsall & Son. Price, with taper and plug-tap to each size, £2 16s.; with master tap to each size, £4 2s. 6d. For $\frac{1}{4}$ in., $\frac{1}{2}$ in., 1 in.

441—Set of Stocks, Dies, and Taps, No. 11; manufactured by Halsall & Son. Price, with taper and plug-tap to each size, £5; with master tap to each size, £7 13s. 6d. For $1\frac{1}{2}$ in., $1\frac{1}{4}$ in., $1\frac{3}{8}$ in.

442—Set of Stocks, Dies, and Taps, No. 14; manufactured by Halsall & Son. With taper and plug-tap to each size, £7 8s.; with master tap to each size, £11 8s. For $1\frac{1}{2}$ in., $1\frac{3}{8}$ in., $1\frac{1}{4}$ in.

443—Set of Stocks, Dies, and Taps, No. 16; manufactured by Halsall & Son. Price, with taper and plug-tap to each size, £11; with master tap to each size, £15 2s. For $1\frac{1}{2}$ in., $1\frac{3}{8}$ in., 2 in.

444—Set of Stocks, Dies, and Taps, No. 5; manufactured by Halsall & Son. Price, with taper and plug-tap to each size, £2; with master tap to each size, £2 10s. For screwing iron pipe, $\frac{1}{4}$ in., $\frac{3}{8}$ in., $\frac{1}{2}$ in.

445—Set of Stocks, Dies, and Taps, No. 8; manufactured by Halsall & Son. Price, with taper and plug-tap to each size, £4 14s.; with master tap to each size, £5 17s. 6d. For screwing iron pipe, $\frac{3}{8}$ in., 1 in.

446—Set of Stocks, Dies, and Taps, No. 10; manufactured by Halsall & Son. Price, with taper and plug-tap to each size, £7 16s. 2d.; with master tap to each size, £9 15s. 4d. For screwing iron pipe, $1\frac{1}{4}$ in., $1\frac{1}{2}$ in., 2 in.

447—Patent Tube Cutter with Grip, No. 21; manufactured by Halsall & Son. Price £1 2s. 6d. per set. Cuts from $\frac{3}{8}$ in. to 1 in. tubing.

448—Patent Tube Cutter with Grip, No. 22; manufactured by Halsall & Son. Price £1 8s. Cuts from 1 in. to 2 in. tubing.

Stand No. 23.—*Halsey and Co., of 82, Mark Lane, London, E.C.*

Article 449—“Halsey” Patent Three-Cylinder Engine, shown as Fig. 3 in attached List; manufactured by the Exhibitors. Price £36. Is specially adapted for agricultural and stationary purposes; has no dead centre, can reverse instantaneously, drive at either end, or both ends at once; will start at any part of the stroke. All working parts are inclosed. Diameter of cylinder, 4 in.; length of stroke 5 in.; HP. nominal 5. (*For Trial.*)

450—“Halsey” Patent Three-Cylinder Engine, of the Type shown as Figs. 1 and 2 in List; manufactured by the Exhibitors. Price £75. Possesses numerous advantages over the ordinary type of engine, and is so designed that it takes up the least amount of space. Works in perfect silence; has no dead centre; and can be started at any part of the stroke. Nominal HP. 6; diameter of cylinder, 6 in.; length of stroke, 5 in.

451—“Halsey” Patent Three-Cylinder Engine, of the Type shown as Fig. 4 in List; manufactured by the Exhibitors. Price £35. Possesses all the advantages of the engine shown as Figs. 1 and 2 in attached List. Specially adapted for a variety of purposes; is extensively used for driving the Dynamo-Electric Light Machine. Nominal HP. 2; diameter of cylinder, 3 in.; length of stroke, 3 in.

452—“Halsey” Patent Two-Cylinder Engine, as shown in Fig. 6; manufactured by the Exhibitors. Price £40. Is similar in principle to engines shown in Figs. 1, 2, and 4, but has no reversing motion; can be fitted with governor, and on a frame to allow of an outer bearing, which

carries the shaft, fly-wheel, and drum. Adapted for agricultural purposes, &c. Nominal HP. 5; diam. of cylinder 5 in.; length of stroke 5 in.

453—Steel Boiler; manufactured by the Exhibitors. Price £45. This boiler is most economical, and will burn any class of fuel.

Stand No. 24.—*Holborow and Co., of the Dudbridge Iron Works, Stroud, Gloucestershire.*

Article 454—8-Horse Power Horizontal Expansive Steam Engine; manufactured by the Exhibitors. Price £85 10s. Cylinder, 9 in. diameter by 14 in. stroke, steam jacketed; turned fly-wheel, expansion gear variable while in motion; governor—high speed; feed pump, lubricators, &c., complete.

455—6-Horse Power Horizontal Steam Engine; manufactured by the Exhibitors. Price £54 10s. Cylinder, 8 in. diameter by 12 in. stroke; turned fly-wheel; governor—high speed; feed pump, lubricators, &c., complete.

Stand No. 25.—*William Bone, of Ipswich, Suffolk.*

Article 456—The Newly-Improved Suffolk Patent Seed and Grain Cleaner and Separator; manufactured by the Exhibitors. Price £15 10s. For cleaning and separating all kinds of dross from mustard-seed; also rib-grass, &c., from clover-seed. (*For Trial.*)

457—The Newly-Improved Suffolk Patent Seed and Grain Cleaner and Separator; manufactured by the Exhibitor. Price £10 10s. For cleaning and separating rib-grass and all kinds of dross from clover-seed; also separating all kinds of seed corn, such as wild oats, &c., from wheat and barley.

458—The Newly-Improved Suffolk Patent Seed and Grain Cleaner and Separator; manufactured by the Exhibitor. Price £7 10s. For cleaning and separating rib-grass and all kinds of dross from clover-seed; also separating all kinds of seed corn, such as wild oats, &c., from wheat and barley.

459—The Newly-Improved Suffolk Patent Seed and Grain Cleaner and Separator; manufactured by the Exhibitor. Price £5 10s. For cleaning and separating rib-grass and all kinds of dross from clover-seed; also separating all kinds of seed corn, such as wild oats, &c., from wheat and barley.

Stand No. 26.—*Richard Garrett and Sons, of Leiston Works, Leiston, Suffolk.*

Article 460—8-Horse Power Agricultural Self-Moving Engine; manufactured by the Exhibitors. Price £400. On machine-flanged boiler, with corrugated fire-box.

461—"B. 2" Threshing Machine, with Drum 54 in. wide; manufactured by the Exhibitors. Price £135. Fitted with patent self-acting drum-guard.

462—20-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £465. Mounted on "Colonial" boiler (machine flanged), with very wide corrugated fire-box, and fitted with registered water-heater complete. Specially adapted for contractors' purposes.

463—13-Horse Power Single-Cylinder Portable Steam Engine; manufactured by the Exhibitors. Price £285. On machine-flanged boiler, with corrugated fire-box, and fitted with registered water-heater complete.

464—8-Horse Power Straw-Burning Portable Steam Engine; manufactured by the Exhibitors. Price £235. Muly's system; especially constructed to consume straw and other light vegetable fuel, as well as coal or wood.

465—"A" 48-Inch Finishing Threshing Machine; manufactured by the Exhibitors. Price £140. Fitted with patent self-acting drum-guard.

466—6-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £180. On machine-flanged boiler, with corrugated fire-box, and fitted with registered water-heater complete.

467—60-Inch Threshing Machine (Single Blast, Rough) manufactured by the Exhibitors. Price £120. Of light construction, fitted with patent self-acting drum-guard.

468—Cowmoor Iron Fire-Box, with Corrugated Fire-Brick, manufactured by the Exhibitors. Price £57 10s.

469—Elevator and Stacker, with Corrugated Fire-Brick, manufactured by the Exhibitors. Price £53.

470—Machine; manufactured by the Exhibitors.

471—3 in. Wide; manufactured by the Exhibitors.

472—manu-

473—6 in.

474—as.

475—nu-

476—ge

Stand No. 27.—*Jeffery and Blackstone, of the Rutland Iron Works, Stamford, Lincolnshire.*

Article 482—No. 1, Royal Taunton First Prize Haymaker and Hood, 8 Ft. Wide; manufactured by the Exhibitors. Price £16 16s.; fitted with seat, 15s. extra. Winner of the First Prize £10 at Durham Trials, 1878.

483—No. 1, Royal Taunton First Prize Haymaker and Hood; manufactured by the Exhibitors. Price £16 16s.

484—No. 2, Royal Taunton Haymaker and Hood; manufactured by the Exhibitors. Price £15 15s.; fitted with seat, 15s. extra. Similar to the above, but 6 inches narrower.

485—No. 2, Royal Taunton Haymaker and Hood; manufactured by the Exhibitors. Price £15 15s.

486—No. 2, Royal Taunton Haymaker without Hood; manufactured by the Exhibitors. Price £14 14s.; wire screen, 12s. 6d. extra. Same machine as above, but fitted with wire screen instead of hood.

487—No. 3, Royal Taunton Haymaker and Hood; manufactured by the Exhibitors. Price £13 13s.; fitted with seat, 15s. extra. This is the same as the Royal Taunton First Prize Machine, but smaller; it is suitable for hilly land and small occupiers.

488—No. 3, Royal Taunton Haymaker and Hood; manufactured by the Exhibitors. Price £13 13s.

489—No. 3, Royal Taunton Haymaker without Hood; manufactured by the Exhibitors. Price £12 12s.; wire screen, 12s. 6d. extra. The same as Article No. 488, but fitted with wire screen instead of hood.

490—Improved "Victoria" Second Prize Taunton Haymaker; manufactured by the Exhibitors. Price £14; wire screen, 12s. 6d. extra.

491—(*New Implement.*)—New Patent Self-Acting Horse Rake; manufactured by the Exhibitors. Price £13. With 28 steel teeth and 4-ft. 6-in. wrought-iron wheels. The teeth are made of an improved section of steel, which has been proved to offer less resistance when filling or discharging than the ordinary pattern; they can be adjusted to raise or fall 6 or 7 inches to suit the inequalities of the ground.

492—New Patent Self-Acting Horse Rake; manufactured by the Exhibitors. Price £12. The same as above with 28 steel teeth, but mounted on 4-ft. wrought-iron wheels.

493—New Patent General Purpose Manual Delivery Horse Rake, with 28 Steel Teeth and 4-Ft. Wheels; manufactured by the Exhibitors. Price £10 10s.; seat, 15s. extra. The above is similar in construction to Article No. 491, possessing all its advantages.

494—New Patent General Purpose Manual Delivery Horse Rake; manufactured by the Exhibitors. Price £10; seat, 15s. extra. With 24 steel teeth and 4-ft. wheels.

495—New Patent General Purpose Manual Delivery Horse Rake; manufactured by the Exhibitors. Price £9 10s.; seat, 15s. extra. With 28 steel teeth and 3-ft. 6-in. wrought-iron wheels.

496—New Patent General Purpose Manual Delivery Horse Rake; manufactured by the Exhibitors. Price £9; seat, 15s. extra. With 24 steel teeth and 3-ft. 6-in. wrought-iron wheels.

497—New Patent General Purpose Manual Delivery Horse Rake; manufactured by the Exhibitors. Price £8 10s. With 24 steel teeth and 3-ft. wrought-iron wheels.

498—Patent Wheel Hand Rake, with Steel Teeth; manufactured by the Exhibitors. Price £2 2s.

499—Assortment of Hand Drag Rakes; manufactured by the Exhibitors. Price from 11s. 6d. to 17s.

500—Chaff Cutter, No. 9, on Unbreakable Wrought-Iron Legs; manufactured by the Exhibitors. Price £2 5s.

501—Chaff Cutter, No. 9 A, on Unbreakable Wrought-Iron Legs; manufactured by the Exhibitors. Price £2 7s. 6d. Same as Article No. 500, but mounted on four instead of three legs.

502—Chaff Cutter on Unbreakable Wrought-Iron Legs, No. N S D; manufactured by the Exhibitors. Price £3. With rising mouth, and cuts two lengths of chaff.

503—Chaff Cutter, No. A, fitted with Wrought Angle-Iron Frame and Legs; manufactured by the Exhibitors. Price £3 15s. With 8½-in. rising mouth. This machine has been remodelled throughout.

504—Chaff Cutter, No. A; manufactured by the Exhibitors. Price £4. The same as Article No. 503, but fitted with an extra large fly-wheel.

505—Chaff Cutter, No. B; manufactured by the Exhibitors. Price £4 5s. Has 9½-in. mouth; same as No. A, but larger and stronger.

506—Chaff Cutter, No. B, with Extra Large Fly-wheel; manufactured by the Exhibitors. Price £4 10s.

507—Chaff Cutter, No. B B L; manufactured by the Exhibitors. Price £4 7s. 6d., with 2 handles. Same as B, but has 2 handles.

508—Chaff Cutter, No. B X; manufactured by the Exhibitors. Price £5 7s. 6d., with 2 handles. With fly-wheel inside the wrought-iron frame, and with wrought angle-iron legs.

509—Chaff Cutter, No. C P X, for Pony Power; manufactured by the Exhibitors. Price £6 10s.; pulley, 8s. extra. Fitted with safety lever.

510—Chaff Cutter, No. E; manufactured by the Exhibitors. Price £8 15s.; pulley, 10s. extra. Same as No. C P X, but larger and stronger.

511—Extra Strong Chaff Cutter, No. H, for Horse or Steam Power; manufactured by the Exhibitors. Price £9 15s.; pulley, 10s. extra. Has 10½-in. mouth.

512—Extra Strong Chaff Cutter, No. J; manufactured by the Exhibitors. Price £12 12s.; pulley, 10s. extra. Has a stop motion and reverse action. This is a most excellent machine for steam power.

513—New Patent 1-Horse Gear, No. 1, Wheel 3 Ft. Diameter; manufactured by the Exhibitors. Price £12; pulley, 18s. extra; connecting-rod, 10s. extra. The frame, pillars, and intermediate head are made of wrought-iron instead of cast, thus giving greater strength, and the upright shaft and pole flange are connected by a self-acting clutch, by which the sudden strain on the machinery is prevented.

514—(*New Implement.*)—New Patent 2-Horse Gear No. 2, Wheel 4 Ft. Diameter; manufactured by the Exhibitors. Price £15; pulley, 18s. extra; connecting-rod, 10s. extra. Similar in construction to No. 1 but larger and stronger, and made with a wrought angle-iron frame.

515—New Pattern Vertical Steam Engine, marked B; manufactured by the Exhibitors. Price £45; lagging, £2 10s. extra; pulley, extra.

2-Horse Power at 60-lbs. pressure; cylinder $3\frac{1}{2}$ diam.; 7-in. stroke, with independent boiler, 4 ft. 4 in. high by 1 ft. 10 in. diameter; including all necessary fittings.

516—New Pattern Portable Vertical Steam Engine, marked *b*; manufactured by the Exhibitors. Price £49; lagging, £2 10s. extra; pulley, extra. 2-Horse Power at 60-lbs. pressure. The same as Article No. 515, but mounted on wheels and shafts.

517—New Pattern Vertical Steam Engine, marked *c*; manufactured by the Exhibitors. Price £52; lagging, £2 10s. extra; pulley, extra. 3-Horse Power at 60-lbs. pressure. Cylinder 4-in. diameter, 7-in. stroke, with independent boiler, 4 ft. 7 in. high by 1 ft. 10 in. diameter.

518—New Pattern Portable Vertical Steam Engine, marked *c*; manufactured by the Exhibitors. Price £56; lagging, £2 10s.; pulley, extra. 3-Horse Power at 60-lbs. pressure. The same as Article No. 517, but mounted on wheels and shafts.

519—Vertical Steam Engine, marked *d*; manufactured by the Exhibitors. Price £60; lagging, £3 10s. extra; pulley, extra. 4-Horse Power at 60-lbs. pressure. Cylinder $4\frac{1}{2}$ -in. diameter, 9-in. stroke, boiler 6 ft. high, 2 ft. 1 in. diameter.

520—Portable Vertical Steam Engine, marked *d*; manufactured by the Exhibitors. Price £70; lagging, £3 10s. extra; pulley, extra. 4-Horse Power at 60-lbs. pressure. The same as Article No. 519, but mounted on wheels.

521—Vertical Steam Engine, marked *e*; manufactured by the Exhibitors. Price £75; lagging, £3 15s. extra; pulley, extra. 6-Horse Power at 60-lbs. pressure.

522—New Pattern Vertical Steam Engine, marked *f*; manufactured by the Exhibitors. Price £90; lagging, £4 5s. extra; pulley, extra. 8-Horse Power at 60-lbs. pressure. Cylinder $6\frac{1}{2}$ -in. diameter, 10-in. stroke, with independent boiler, 6 ft. 6 in. high, 2 ft. 6 in. diameter.

523—Portable Vertical Steam Engine, marked *f*; manufactured by the Exhibitors. Price £105; lagging, £4 5s. extra; pulley, extra. 8-Horse Power at 60-lbs. pressure.

524—New Pattern Vertical Steam Engine, marked *h*; manufactured by the Exhibitors. Price £120; lagging, £5 10s. extra; pulley, extra, 12-Horse Power at 60-lbs. pressure. Cylinder 8 $\frac{1}{2}$ -in. diameter, 12-in. stroke, with independent boiler, 7 ft. 2 in. high by 2 ft. 10 in. diameter.

Stand No. 28,—*Robert Young, of 28, Sword Street, Glasgow, Lanark.*

Article 525—Patent Improved Wheat Washing and Drying Machine; manufactured by the Exhibitor. Price £80. For the effectual washing of Egyptian and other hard wheats, and afterwards drying them without the aid of heat. These machines can also be disconnected and used for washing beans, Indian corn, &c. Made in two sizes; capacity, 80 and 60 bushels per hour. Price of larger-sized machine, £130.

526—Wheat Scourer and Double Separator; manufactured by the Exhibitor. Price £70. This machine is specially designed to economise space, and provides complete cleaning machinery with one drive, the grain being first cleaned by riddles, then scoured in the cylinder, after which it undergoes a second separation, similar to the first, and leaves the machine ready for grinding.

527—Patent “Diamond” Turner; manufactured by the Exhibitor. Price £4. Is well adapted for facing-up porcelain, middlings, rollers, and will do more work in five minutes on any stone than can be done by a steel bar in an hour.

528—“Liver” Millstone Polisher; manufactured by Frederick Dresser, of Liverpool. Price 12s. A tool for levelling and polishing millstone furrows, the rubbing surface being of a hard material, which will last, with ordinary usage, for years. The back for the hand is of polished hard wood, of a shape to give a firm hold for the hand.

Stand No. 29.—*Josiah Le Butt, of the Haymaker Works, Bury St. Edmunds, Suffolk.*

Article 529—“Champion” Double-action Haymaking Machine; manufactured by the Exhibitor. Price £15. A very simple machine, easily understood by any agricultural labourer. Light draught; thoroughly efficient in heavy crops; wood travelling wheels, backward and forward motion.

530—Self-Cleaning Corn Screen, No. 7, with Blower; manufactured by the Exhibitor. Price £22 7s. 6d. Complete, with stone separator and pulley for power. Nearly 12,000 of these screens are in use in all parts of the globe by malsters, brewers, farmers, and merchants. Will screen 150 bushels per hour; adapted for either steam-power or hand.

531—Self-Cleaning Corn Screen, No. 6, with Blower; manufactured by the Exhibitor. Price £13. 0s. 6d. Complete, with stone separator and pulley. Will screen 90 bushels per hour.

532—Screen, No. 5, with Blower; manufactured by the Exhibitor. Price £11 0s. 6d. Similar to Article No. 531, but smaller. Will screen 60 bushels per hour.

533—Everlasting Malt Screen, No. 5; manufactured by the Exhibitor. Price £4 4s.

534—Malster's Plough; manufactured by the Exhibitor. Price 17s. 6d.

535—Malster's Fork; manufactured by the Exhibitor. Price 12s. 6d.

536—Office Screen, for Testing Samples of Wheat and Barley in the Office; manufactured by the Exhibitor. Price £1.

537—Universal Hand Garden Seed Drill; manufactured by the Exhibitor. Price 10s. 6d. Will sow every kind of garden seed, and very useful for filling up blank places.

538—Double Drill; manufactured by the Exhibitor. Price £1 1s. This drill sows two rows.

539—Perfect Watering-Can, No. 1 (1 Gallon); manufactured by the Exhibitor. Price 5s.

540—Perfect Watering-Can, No. 2; manufactured by the Exhibitor. Price 6s. 6d.

541—Perfect Watering-Can, No. 3; manufactured by the Exhibitor. Price 8s. 6d.

542—Perfect Watering-Can, No. 4; manufactured by the Exhibitor. Price 10s. 6d.

543—Abercorn Chair; manufactured by the Exhibitor. Price 17s. 6d. Can be instantly converted from a chair to a pair of steps. Made of oak and French polished.

544—Abercorn Chair ; manufactured by the Exhibitor. Price 13s. 6d. Made of deal, and varnished.

545—Spencer Pheasant Feeder and Fountains ; manufactured by the Exhibitor. Price £2.

546—Universal Knife Rest ; manufactured by the Exhibitor. Price 11s. 6d.

547—Self-Cleaning Corn Screen, No. 2 ; manufactured by the Exhibitor. Price £6 15s. If lifting handles, 10s. 6d. extra.

548—Self-Cleaning Corn Screen, Complete, No. 1 ; manufactured by the Exhibitor. Price £10 0s. 6d. With stone separator and lifting handles.

549—Self-Cleaning Corn Screen, No. 2 ; manufactured by the Exhibitor. Price £8 10s. 6d. Complete, with stone separator and lifting handles.

550—Self-Cleaning Corn Screen, No. 3 ; manufactured by the Exhibitor. Price £17 2s. 6d. Same size as Article No. 530, but without blower.

551—Everlasting Malt Screen, No. 6 ; manufactured by the Exhibitor. Price £5s. 5s.

Stand No. 30.—*Charles D. Phillips, of the Waterproof Cover Manufactory, Engineering Dépôt, and Commercial Warehouses, Newport, Monmouthshire.*

Article 552—Rick Sheet, 8 Yards Long by 6 Yards Wide, 4th Quality on List ; manufactured by the Exhibitor. Price £3 12s. Made of the best selected canvas, hand sewn in the most substantial manner by experienced workmen, with every recent improvement.

553—(*New Article.*)—Rick Sheet, 10 Yards Long by 8 Yards Wide, Special Quality on List ; manufactured by the Exhibitor. Price £9. Manufactured of extremely close texture, pure white duck canvas, light and thoroughly waterproof.

554—Rick Sheet, 8 Yards Long by 8 Yards Wide, 3rd Quality on List ; manufactured by the Exhibitor. Price £5 12s. Same description as Article No. 552, but better quality.

555—Rick Sheet, 10 Yards Long by 8 Yards Wide, 2nd Quality on List ; manufactured by the Exhibitor. Price £8. Same description as Article No. 554, but still better quality.

556—Rick Sheet, 12 Yards Long by 10 Yards Wide, 1st Quality on List ; manufactured by the Exhibitor. Price £13 10s. Same description as Article No. 552, but best quality.

557—Set of Rick Sheets, Lines, and Hoisting Pulleys complete ; manufactured by the Exhibitor. Price £3 15s. This tackle is made of best quality manilla rope, with two and three sheave strong wooden blocks, and is very suitable for rick sheets.

558—Improved Black Waterproof Cart Cover, 6 Ft. Long by 6 Ft. Wide, on List ; manufactured by the Exhibitor. Price 11s. 3d. The superiority of "Phillips' improved" waterproof covers consists in all long flax canvas being used, the sheets being sewn by hand, and an improved composition used for coating, which makes them soft and pliable as leather, and free from any tendency to stick or crack.

559—Improved Yellow Waterproof Cart Cover, 9 Ft. Long by 6 Ft. Wide, on List; manufactured by the Exhibitor. Price 17s. 6d. Same description as Article No. 558.

560—Improved Black Waterproof Cart Cover, 10 Ft. Long by 7 Ft. Wide, on List; manufactured by the Exhibitor. Price 19s. 6d. Same description as Article No. 558.

561—Improved Yellow Waterproof Waggon Cover, 12 Ft. Long by 9 Ft. Wide, on List; manufactured by the Exhibitor. Price £1 7s. Same description as Article No. 558.

562—Improved Black Waterproof Waggon Cover, 16 Ft. Long by 10 Ft. Wide, on List; manufactured by the Exhibitor. Price £2. Same description as Article No. 558.

563—Improved Yellow Waterproof Cover for Portable Engine, 12 Ft. Long by 8 Feet Wide, on List; manufactured by the Exhibitor. Price £1 4s. Same description as Article No. 558.

564—Improved Black Waterproof Cover for Thrashing Machine, &c., 17 Ft. Long by 14 Ft. Wide, on List; manufactured by the Exhibitor. Price £2 19s. 6d. Same description as Article No. 558.

565—Improved Black Waterproof Cover for Thrashing Machines, &c., 21 Ft. Long by 15 Ft. Wide, on List; manufactured by the Exhibitor. Price £3 18s. 9d. Same description as Article No. 558.

566—Improved Black Waterproof Horse Loin Cloth, 4 Ft. Long by 3 Feet Wide, No. 1 on List; manufactured by the Exhibitor. Price 9s. 6d. Made of extra good quality canvas, coated with Phillips' improved composition, lined with best check flannel, and strapped complete.

567—Improved White Waterproof Horse Loin Cloth, 4 Ft. Long by 3 Ft. 6 In. Wide, No. 2 on List; manufactured by the Exhibitor. Price 10s. 3d. This cloth is made of milk-white canvas rendered thoroughly waterproof, well lined and strapped, and altogether very nice in appearance.

568—Improved Black Waterproof Horse Loin Cloth, 4 Ft. Long by 4 Ft. Wide, No. 3 on List; manufactured by the Exhibitor. Price 11s. For description see Article No. 566.

569—(*New Article.*)—Improved White Waterproof Horse Loin Cloth, 4 Ft. Long by 4 Ft. 6 In. Wide, No. 4 on List; manufactured by the Exhibitor. Price 11s. 9d. For description see Article No. 566.

570—Improved Black Waterproof Horse Loin Cloth, 4 Ft. Long by 5 Ft. Wide, No. 5 on List; manufactured by the Exhibitor. Price 13s. For description see Article No. 566.

571—Roll of Pure Oak Bark Tanned English Leather Belting, Single Thickness; 3 In. Wide, on List; manufactured for the Exhibitor. Price 1s. 3½d. per ft. Warranted of best quality, joints strongly made, and well stretched.

572—Roll of Pure Oak Bark Tanned English Leather Belting, Single Thickness, 4 In. Wide, on List; manufactured for the Exhibitor. Price 1s. 10d. per ft. Warranted of best quality, joints strongly made, and well stretched.

573—Roll of Pure Oak Bark Tanned English Leather Belting, Single Thickness, 5 In. Wide, on List; manufactured for the Exhibitor. Price 2s. 5d. per foot. For description see Article No. 571.

574—Roll of Pure Oak Bark Tanned English Leather Belting, Single Thickness, 6 In. Wide, on List; manufactured for the Exhibitor. Price 2s. 9d. per foot. For description see Article No. 571.

575—(*New Implement.*)—Registered 2 Row Mangold or Turnip Dibbling Machine; manufactured for the Exhibitor. Price £7 15s. This

machine is constructed to sow two rows of seed, preferable to the old plan of a continual flow of seeds, which often leaves spaces vacant. Holes are made in the ground by means of an iron dibbler, also raising a lever attached to the seed box and dropping the seed into the hole made by the dibbler.

576—(*New Article.*)—Door Fastener for Farm and other Buildings; manufactured for the Exhibitor. Price 3s. 6d. Substitutes a latch, lock, or bolt, and very durable.

577—Improved Folding Walnut Wood Table; manufactured for the Exhibitor. Price £1 10s. Adjustable as a work table, library table, camp table. Especially adapted for a lawn tennis table, and easily removable.

578—Bundle 4 H Four Bushel Corn Sacks; manufactured for the Exhibitor. Price 1s. 5d. each. Warranted of best quality.

579—Bundle 5 H Five Bushel Corn Sacks; manufactured for the Exhibitor. Price 1s. 8d. each. Warranted of best quality.

580—Field's Patent Galvanic Boiler Scale Preventer; manufactured for the Exhibitor. Price £15 15s. For perfectly, effectually, and economically preventing the formation of crust and scale in Boilers used in agriculture.

581—Patent Steam Sentinel Safety Valve, 10-Horse Power, Set to 45 lbs.; manufactured for the Exhibitor. Price £1 10s. For preventing explosions from over-pressure of steam in agricultural boilers. Most useful with inexperienced men on farms, &c.

582—Patent Steam Sentinel Safety Valve, 10-Horse Power, Set to 60 lbs.; manufactured for the Exhibitor. Price £1 10s. For description see Article No. 581.

583—Patent Steam Sentinel Safety Valve, 20-Horse Power, Set to 40 lbs.; manufactured for the Exhibitor. Price £2 2s. For description see Article No. 581.

584—Patent Steam Sentinel Safety Valve, 20-Horse Power, Set to 45 lbs.; manufactured for the Exhibitor. Price £2 2s. For description see Article No. 581.

585—Patent Steam Sentinel Safety Valve, 35-Horse Power, Set to 40 lbs.; manufactured for the Exhibitor. Price £3 3s. For description see Article No. 581.

586—Length $\frac{1}{2}$ -In. Extra Hard Gut Bands; manufactured for the Exhibitor. Price 3s. per yard. These bands are well manufactured, and can be supplied any length or width on the shortest notice.

587—Metalline Shown in Pulley and Bearings; manufactured for the Exhibitor. Price £1 13s. Metalline machinery, runs without oil, grease, or other lubricants, saving the cost of oil, time, labour, freedom from injury to shaft, and other advantages.

588—Assortment of Gauge Glasses, from 10 In. to 24 In. Long, and from $\frac{1}{2}$ In. to $1\frac{1}{2}$ In. diameter; manufactured for the Exhibitor. Prices from 1s. 8d. to £1 per dozen. For agricultural boilers and portable engines these gauge glasses are warranted to stand 1000 lbs. pressure to the square inch, and to bear any variation of temperature.

589—Patent Wrought Iron Split Pulley, 12 In. by 4 In. by 2 In. Bore; manufactured for the Exhibitor. Price 15s. These Pulleys can be placed on any part of the shaft without disturbing pulleys already fixed, and they transmit power evenly, noiselessly, and without the vibration arising from defective gearing.

590—Patent Wrought Iron Split Pulley, 15 In. by 4 In. by 2 In. Bore; manufactured for the Exhibitor. Price 18s. 9d. For description see Article No. 589.

591—Patent Wrought Iron Split Pulley, 18 In. by 5 In. by 2½ In. Bore; manufactured for the Exhibitor. Price £1 2s. 6d. For description see Article No. 589.

592—Patent Wrought Iron Split Pulley, 24 In. by 5 In. by 2½ In. Bore; manufactured for the Exhibitor. Price £1 8s. For description see Article No. 589.

593—Patent Wrought Iron Split Pulley, 30 In. by 6 In. by 3 In. Bore; manufactured for the Exhibitor. Price £1 15s. For description see Article No. 589.

594—Patent Wrought Iron Split Pulley, 36 In. by 6 In. by 3 In. Bore; manufactured for the Exhibitor. Price £2 5s. For description see Article No. 589.

595—Patent Wrought Iron Split Pulley, 42 In. by 7 In. by 3 In. Bore; manufactured for the Exhibitor. Price £2 19s. 6d. For description see Article No. 589.

Stand No. 31.—*John Henry Peck and Co., of Wigan, Lancashire.*

Article 596—Rick Cover, 8 yards Square; manufactured by the Exhibitors. Price £4 16s. Made out of the best double-warp and double-weft flax canvas, by sail-makers, and roped round in a substantial manner, in the same way as a ship's sail. Other sizes can be had at the same price, viz. 1s. 6d. per square yard.

597—Rick Cover, 8 Yards Square; manufactured by the Exhibitors. Price £4 5s. 4d. Made out of double-warp and double-weft flax canvas, by sail-makers, in a substantial manner. Other sizes made at the same rate, viz. 1s. 4d. per square yard, complete.

598—Black Waterproof Cart Cover, 18 Ft. by 12 Ft.; manufactured by the Exhibitors. Price £2 8s. Suitable for covering all kinds of Agricultural produce. Various sizes kept in Stock at the same rates, viz. 2s. per square yard, including ropes and markings. These are suitable for export and hot climates, and are warranted to neither stick together nor crack.

599—Yellow Waterproof Cart Cover, 18 Ft. by 12 Ft.; manufactured by the Exhibitors. Price £2 8s. Various sizes kept in Stock at same rate, viz. 2s. per square yard, including ropes and lettering. These covers are suitable for export and hot climates, and are warranted to neither stick together nor crack.

600—Black Waterproof Cart Cover, 12 Ft. by 8 Ft.; manufactured by the Exhibitors. Price £1 1s. 4d. Marked and roped complete.

601—Yellow Waterproof Cart Cover, 12 Ft. by 8 Ft.; manufactured by the Exhibitors. Price £1 1s. 4d. Marked and roped complete.

602—Assortment of Brattice Cloth; manufactured by the Exhibitors. Price 6d., 7d., 8d. and 9d. per square yard. Suitable for covering farm-buildings, being as cheap and more durable than felt, also for the ventilation of coal mines.

603—Sample of Flexible Canvas Tubing; manufactured by the Exhibitors. Price 2d. per yard per inch, according to diameter. Suitable for ventilating wells and coal-mines.

604—Best Waterproof Shaft-horse Cover, lined with woollen; 3 Ft. by 4 Ft. 6 In., strapped and marked; manufactured by the Exhibitors. Price 8s. Various sizes at proportionate rates kept in stock.

605—Best Waterproof Chain Horse Cover, 5 Ft. by 5 Ft., lined with Woollen; manufactured by the Exhibitors. Price 14s. Strapped and marked. Various sizes at proportionate rates.

606—Oil-Cloth Driving Apron, Lined and Strapped; manufactured by the Exhibitors. Price 16s. Suitable for carts, omnibuses, &c., and same as supplied to principal omnibus companies in the kingdom.

607—Oil-Cloth in the Piece, Various Widths; manufactured by the Exhibitors. Price 2s. per square yard. Made of best double warp and double weft flax canvas, and warranted to neither stick nor crack.

Stand No. 32.—*Alexander and Thompson, of the Market Place and Corinium Iron Works, Cirencester, Gloucestershire.*

Article 608—Patent Lawn Tennis Court Marker, the “Cirencester College”; manufactured by the Exhibitors. Price £1 10s. Makes an even and conspicuous line 1½ in. broad. It can be used also for marking out roads or paths, or for a variety of similar purposes.

609—Patent Lawn Tennis Court Marker, the “Cirencester College”; manufactured by the Exhibitors. Price £1 7s. 6d. A similar article to the above, but with band 1 inch broad.

610—Collection of Improved Garden Seats, with and without Awnings; manufactured by the Exhibitors. Price from 12s. 6d. to £3 5s. Made of wrought-iron, with slats or laths of selected pitch-pine, combining comfortable form, elasticity, and ample strength.

611—Detached Awning, 6 ft. 6 in. long; manufactured by the Exhibitors. Price £2 5s.

612—Set of Patent “Edgebaston” Garden Furniture; manufactured for the Exhibitors. Price £1 8s. 6d. Consisting of table, 15s.; chair, 8s. 6d.; stool, 5s.

613—Collection of Patent “Silens Messon,” or Noiseless Lawn-Mowers; manufactured by Messrs. Thos. Green and Sons, of Leeds. Price, to cut 10 in. wide, £3 10s.; 14 in., £5 10s.; 18 in. £7 10s.; 26 in., for donkey or pony, with patent delivery, £14.

614—Collection of Improved Garden Rollers; manufactured by the Carron Company, London. Price, 18 in., £2; 20 in. £2 10s.; 24 inches double roller, £3 13s. 6d.

615—Collection of Sets of Lawn Tennis in Boxes; manufactured by Messrs. Jeffries and Co., of Woolwich. Price from £4 to £6 6s.

616—Collection of Appliances for Lawn Tennis; manufactured by Messrs. Jeffries and Co. Price, consisting of bats, from 11s. to £1 1s. each; balls, 5s. to 12s. per dozen; presses, 12s. 6d. to 15s. each; shoes, 12s. 6d. to 15s. per pair.

617—Collection of Ornamental Wrought-Iron and Wire-work Garden Arches; manufactured for the Exhibitors by Messrs. Duke, Waring, and Crisp, Wardour Street, London. Price £1 1s. to £2 10s.

618—Collection of Wire-Work Flower Stands and Baskets; manufactured for the Exhibitors by Messrs. Duke, Waring, and Crisp. Price from 1s. 3d. to 19s.

Stand No. 33.—*The Patent Waterproof Paper and Canvas Co., of the Canal Works, Willesden Junction, London, N.W.*

Article 619—Example of the Willesden Waterproof Rick-Covering or Agricultural Shelter for Various Purposes; manufactured by the Exhibitors. Price, complete with framework, as exhibited, £9; if without frame, secured by tent-lines and pegs, £4 4s. Durable, incorrodible, and portable. Area, 18 ft. by 15 ft. Specially adapted for use in hot climates.

620—Example of the Willesden Waterproof Light Cover for Waggon or Cart; manufactured by the Exhibitors. Price (material only) £1 2s. 10 ft. long by 10 ft. over. Recommended for lightness and durability, and for use in hot climates.

621—Example of the Willesden Waterproof Fold or Enclosure; manufactured by the Exhibitors. Price £2 5s. Made of the new Patent Waterproof Cardboard in continuous length. 8 ft. long by 4 ft. wide, and 4 ft. high. For covering of same see Article No. 622.

622—Example of the Willesden Patent Waterproof Awning, or Sun Shade; manufactured by the Exhibitors. Price, without woodwork, £1 5s. 8 ft. long by 8 ft. over.

623—Example of the Willesden Portable Waterproof Hut for Shepherds, Hoppers, &c.; manufactured by the Exhibitors. Price, with extra strong ash hoops, £3 15s. 6 ft. long by 3 ft. 9 in. wide, and 5 ft. high. Made of the Patent Indissoluble Cardboard with prepared canvas ends, supplied on stand with or without wheels; recommended for lightness, durability, and for being entirely wind and waterproof.

624—Example of very Light, Cheap, and Portable Roof or Cover; manufactured by the Exhibitors. Price £1; without frame, 9s. For hay, straw, &c.; fixed on light framework. This example is also suitable for brick-fields, &c.

625—Sample of the Willesden Patent Insoluble Waterproof Cardboard in Continuous Length; manufactured by the Exhibitors. Price 2½d. per square foot. Supplied in rolls up to 4 ft. wide.

626—Sample of the Willesden Patent Prepared Two-ply Paper; manufactured by the Exhibitors. Price 1d. per square foot. Supplied in rolls of continuous length up to 4 ft. wide. This material is much stronger than ordinary paper, and free from holes, and is applicable for numerous purposes involving exposure to wet and weather.

627—Sample of the Willesden Prepared One-ply Paper; manufactured by the Exhibitors. Price ½d. per square foot. Suitable for light coverings, protected by the prepared Scrym or open canvas (see Article No. 632), or for lining wooden buildings on the outside to render them wind and weather proof, underlining open slated roofs, &c., and other purposes.

628—Sample of the Willesden Insoluble Paper Cloth; manufactured by the Exhibitors. Price 1s. per square yard. Suitable for plans, maps, drawings, &c.

629—Sample of the Willesden Insolubly-Combined Absorbent Paper Cloth; manufactured by the Exhibitors. Price 9d. per square yard. Suitable for absorbing damp from walls, and for special trade or other purposes.

630—Sample of the Willesden Prepared Canvas; manufactured by the Exhibitors. Price 1s. 6d. per square yard. Anti-rotting and more durable than ordinary canvas. Clean and free from smell.

631—Sample of the Willesden Prepared Canvas (different quality); manufactured by the Exhibitors. Price 2s. per square yard.

632—Sample of the Willesden Prepared Scrym, or Open-Mesh Canvas; manufactured by the Exhibitors. Price 9d. per square yard. Made of the very best quality; inferior qualities from 6d. per square yard. Suitable for light screens for fruit-trees and horticultural purposes, and for laying over the prepared one-ply paper for waterproof coverings, &c.

633—Sample of the Willesden Water-Resisting Durable Cord; manufactured by the Exhibitors. Price 1s. 9d. per lb. Suitable for rick scaffold and tenting tackle, railway communicating cord, and other purposes.

Stand No. 34.—*Banner Brothers and Co., of 11, Billiter Square, London, E.C.*

Article 634—Patent Rotating Ventilating Cowl; manufactured for the Exhibitors by W. Skeats of Brighton. Price 3-in. £1 15s. (*Not for Sale.*)

635—Patent Fixed or Stationary Ventilating Cowl; manufactured for the Exhibitors by W. Skeats. Price 4-in. £2 2s. (*Not for Sale.*)

636—Patent Iron Ventilating Soil Pipe and Drain Trap; manufactured by the Exhibitors. Price £2 2s. (*Not for Sale.*)

637—Complete Model of Banner's System of Sanitation and Ventilation; manufactured by the Exhibitors. (*Not for Sale.*)

Stand No. 35.—*Messrs. Ewart and Son, of 346, Euston Road, London, N.W.*

Article 638—"Empress" Ventilators, Sizes, 2 In., 3 In., 4 In., 5 In.; manufactured by the Exhibitors. Price from £1 5s. to £1 9s. each. Suitable for drain pipes, water closets, railway carriages.

639—"Empress" Ventilators, Sizes 6 In., 8 In., and 10 In.; manufactured by the Exhibitors. Price from £1 11s. to £2 4s. each. Suitable for dwelling houses, ventilating shops, stables, billiard rooms, &c.

640—"Empress" Ventilators, Sizes 12 In., 15 In., 18 In., 20 In., 24 In.; manufactured by the Exhibitors. Price from £2 16s. to £11 each. Suitable for workshops, public buildings, &c.

641—"Empress" Ventilators, Sizes 30 In. by 36 In.; manufactured by the Exhibitors. Price from £14 to £16 10s. Suitable for churches and theatres.

642—"Empress" Ventilators and Smoke Curves; manufactured by the Exhibitors. Price, bars 14 in. by 9 in. £2 13s.; 14 in. by 12 in. £3 5s. each, for chimneys.

643—"Prince" Ventilators, Sizes 2 In., 3 In., 4 In., 5 In., 6 In.; manufactured by the Exhibitors. Price from 14s. to £1 1s. Suitable for drain pipes, water closets, railway carriages, &c.

644—"Prince" Ventilators, Sizes, 7 In., 8 In., 9 In., 10 In., 12 In.; manufactured by the Exhibitors. Price from £1 3s. to £1 16s. For ventilating shops, dwelling houses, stables, and billiard rooms.

645—"Prince" Ventilators, Sizes 14 In., 16 In., 18 In., 20 In., 24 In.; manufactured by the Exhibitors. Price from £2 4s. to £4 10s. For ventilating public buildings, workshops, &c.

646—"Prince" Ventilators, Sizes 30 In., 36 In.; manufactured by the Exhibitors. Price from £5 10s. to £7. For ventilating theatres, and churches.

647—"Prince" Smoke Curves, Sizes 14 In. by 9 In., and 14 In. by 12 In.; manufactured by the Exhibitors. Price from £1 17s. to £2 10s. For chimneys.

Stand No. 36.—*R. Hodd and Son, of 30 and 31, Hatton Garden, London.*

Article 648—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £1 8s. Neatly japanned, to fix on table or dresser. Cleans any size knife with a beautiful silver-like polish. Only machine to clean carving forks. The best family knife cleaner.

649—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £2 5s. Nickel plated; 7 in. by 6 in., 9 in. high. Does not injure the handle or blade, or take the edge off.

650—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £2. Neatly japanned; on a bracket to fix against wall. Makes no dust or dirt. Not liable to get out of order.

651—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £2 10s. Neatly japanned; with drawer under to hold knives, and on brackets to fix against wall. Takes very little room.

652—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £2 10s. Neatly japanned; on tall stand. Makes knives look better than by any other method of cleaning.

653—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £3. Neatly japanned; on tall stand, with place to hold knife-tray. Cleans the backs and shoulders of knives.

654—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £4. With tall stand and treadle to work with the foot. Very rapid in use.

655—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £1 15s. With contrary motion, to fix on table or dresser.

656—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £5. To clean six knives at once, large or small, and fix on table or dresser. Specially suited to hotel use, and will not get out of order.

657—(*New Implement.*)—Patent Knife Cleaner ("The Lady Help"); manufactured by the Exhibitors. Price £6 10s. To clean six knives at once; on a tall stand. The most expeditious cleaner made, and cannot damage the knives.

Stand No. 37.—*The Hancock Inspirator Co., of
35, Queen Victoria Street, London.*

Article 658—Hancock Inspirator, No. 7½; manufactured by the Exhibitors. Price £4. A new combined pump and injector for raising water from a depth of 23 ft., and feeding direct to all classes of steam boilers at one operation, dispensing with the use of pumps.

659—Hancock Inspirator, No. 10; manufactured by the Exhibitors. Price £5. As above.

660—Hancock Inspirator, No. 15; manufactured by the Exhibitors. Price £6. As above.

661—Hancock Inspirator, No. 20; manufactured by the Exhibitors. Price £9. As above.

662—Hancock Inspirator, No. 25; manufactured by the Exhibitors. Price £12. As above.

663—Hancock Inspirator, No. 30; manufactured by the Exhibitors. Price £15. As above.

664—Hancock Inspirator, No. 35; manufactured by the Exhibitors. Price £18. As above.

665—Hancock Inspirator, No. 40; manufactured by the Exhibitors. Price £22. As above.

666—Hancock Inspirator, No. 45; manufactured by the Exhibitors. Price £25. As above.

667—Hancock Inspirator, No. 50; manufactured by the Exhibitors. Price £30. As above.

668—Hancock Locomotive Inspirator, No. 0; manufactured by the Exhibitors. Price £7. As above.

669—Hancock Locomotive Inspirator, No. 1; manufactured by the Exhibitors. Price £8. As above.

670—Hancock Locomotive Inspirator, No. 2; manufactured by the Exhibitors. Price £11. As above.

671—Locomotive Inspirator, No. 3; manufactured by the Exhibitors. Price £12 15s. As above.

672—Locomotive Inspirator, No. 4; manufactured by the Exhibitors. Price £15. As above.

673—Locomotive Inspirator, No. 5; manufactured by the Exhibitors. Price £16. As above.

674—Locomotive Inspirator, No. 6; manufactured by the Exhibitors. Price £17 10s. As above.

675—Locomotive Inspirator, No. 7; manufactured by the Exhibitors. Price £18 10s. As above.

676—Locomotive Inspirator, No. 8; manufactured by the Exhibitors. Price £19 5s. As above.

677—Locomotive Inspirator, No. 9; manufactured by the Exhibitors. Price £20 15s. As above.

678—Locomotive Inspirator, No. 10; manufactured by the Exhibitors. Price £22 10s. As above.

679—1½ In. Patent Regulating Cock; manufactured by the Exhibitors. Price £2 5s. Specially designed for use on locomotives for regulating the supply of water to boiler through the inspirator.

680—1 In. Patent Regulating Cock; manufactured by the Exhibitors. Price £1 15s. Specially designed for use on traction and ploughing engines, for regulating the supply of water to boiler through the inspirator.

681—Hancock Inspirator, No. 1; manufactured by the Exhibitors. Price £8. Specially designed for traction and ploughing engines, for use on the road or in the field.

682—Hancock Inspirator, No. 2; manufactured by the Exhibitors. Price £11. Specially designed for traction and ploughing engines, for use on the road or in the field. (*For Trial.*)

683—Inspirator; manufactured by the Exhibitors. Price £7. Specially designed for steam launches and yachts.

684—2-In. Steam Valve (Special); manufactured by the Exhibitors. Price £1 10s.

685— $1\frac{1}{4}$ -In. Combined Steam Cock and Check Valve; manufactured by the Exhibitors. Price £1 4s.

686—1-In. Combined Steam Cock and Check Valve; manufactured by the Exhibitors. Price 19s.

687— $\frac{3}{4}$ -In. Combined Steam and Check Valve; manufactured by the Exhibitors. Price 14s. 6d.

688—Apparatus for Regulating the use of Superheated Steam; manufactured by the Exhibitors. Price £15.

689— $1\frac{1}{4}$ -In. "Allen" Governor; manufactured by the Allen Governor Co., of Boston, Mass. Price £10.

690—Inspirator; manufactured by the Exhibitors. Price £25. Specially designed for lifting hot liquors, &c., for brewer's use.

691— $1\frac{1}{4}$ -In. Steam Wheel Valve; manufactured by the Exhibitors. Price 12s.

692—1-In. Steam Wheel Valve; manufactured by the Exhibitors. Price 9s.

693— $\frac{3}{4}$ -In. Steam Wheel Valve; manufactured by the Exhibitors. Price 5s. 10d.

694— $\frac{1}{2}$ -In. Steam Wheel Valve; manufactured by the Exhibitors. Price 4s. 3d.

695— $\frac{3}{8}$ -In. Steam Wheel Valve; manufactured by the Exhibitors. Price 3s. 5d.

696— $1\frac{1}{4}$ -In. Check Valve; manufactured by the Exhibitors. Price 11s. 6d.

697—1-In. Check Valve; manufactured by the Exhibitors. Price 8s.

698— $\frac{3}{4}$ -In. Check Valve; manufactured by the Exhibitors. Price 5s. 6d.

699— $\frac{1}{2}$ -In. Check Valve; manufactured by the Exhibitors. Price 4s.

700— $\frac{3}{8}$ -In. Check Valve; manufactured by the Exhibitors. Price 3s. 2d.

701—Patent Water Lifter; manufactured by the Exhibitors. Price £10.

702—Combined Steam and Water Gauges and Set of Auxiliary Cocks and Water Alarm; manufactured by the Exhibitors. Price £15.

703—Set (Complete) of Tools for Connecting and Operating; manufactured by the Exhibitors. Price 15s.

704—Improved Oil Cup for Cargo Shifting, with Sample Oil; manufactured by the Exhibitors. Price 10s.

Stand No. 38.—*Joseph White and Co., of 65, Trinity Square, Southwark.*

Article 705—Assortment of White's Patent Oil Feeders; manufactured by the Exhibitors. Price from 1s. to 4s. each. Adapted for oiling all kinds of machinery.

706—Specimens of the above, made of Strong Copper and Brass Planished, and tinned inside to prevent the oil turning green and causing corrosion. Price from 3s. 6d. to 9s. each.

707—Samples of the Patent Barrell Oil Feeders, specially suitable for Traction Engines and Machinery difficult of access. Made 24 in., 30 in., 36 in. long. Price from 3s. 6d. to 4s. 6d. each.

708—Samples of White's Patent Artificial Dam, adapted for rearing young Lambs, Calves, Pigs, &c. To hold from $\frac{1}{2}$ pint to $\frac{1}{2}$ gallon each. Price from 2s. 6d. to 6s. each.

709—Samples of the Patent Skylight and Glass Needle Lubricators; manufactured by the Exhibitors. Adapted for oiling the bearings of all kinds of engines and machinery. Price from 1s. 6d. to 18s. each.

710—A General Assortment of Steam Users' Accessories, viz.: Leather Banding, Laces, Belt Fasteners, Steam Packing, India-Rubber Boiler Tube Brushes, Steam Gauges, and Cocks, Whistles, &c. For prices see lists at Stand.

Stand No. 39.—*Edmondsons and Co., of Finsbury Pavement, London.*

Article 711—(*New Implement.*)—Buckeye Harvester and Binder; manufactured by Aultman & Co., of Canton, Ohio, U. S. A. Price £65. (*For Trial.*) See *Illustration*, page 48.

712—Buckeye Table Rake Reaping Machine Combined; manufactured by Aultman & Co. Price £36. (*For Trial.*)

713—Buckeye Mower; manufactured by Aultman & Co. Price £19. (*For Trial.*)

714—Buckeye Combined Mowing and Reaping Machine, Manual Delivery; manufactured by Aultman & Co. Price £22 10s.

715—Buckeye 1-Horse Mower, Combined; manufactured by Aultman & Co. Price £15. (*For Trial.*)

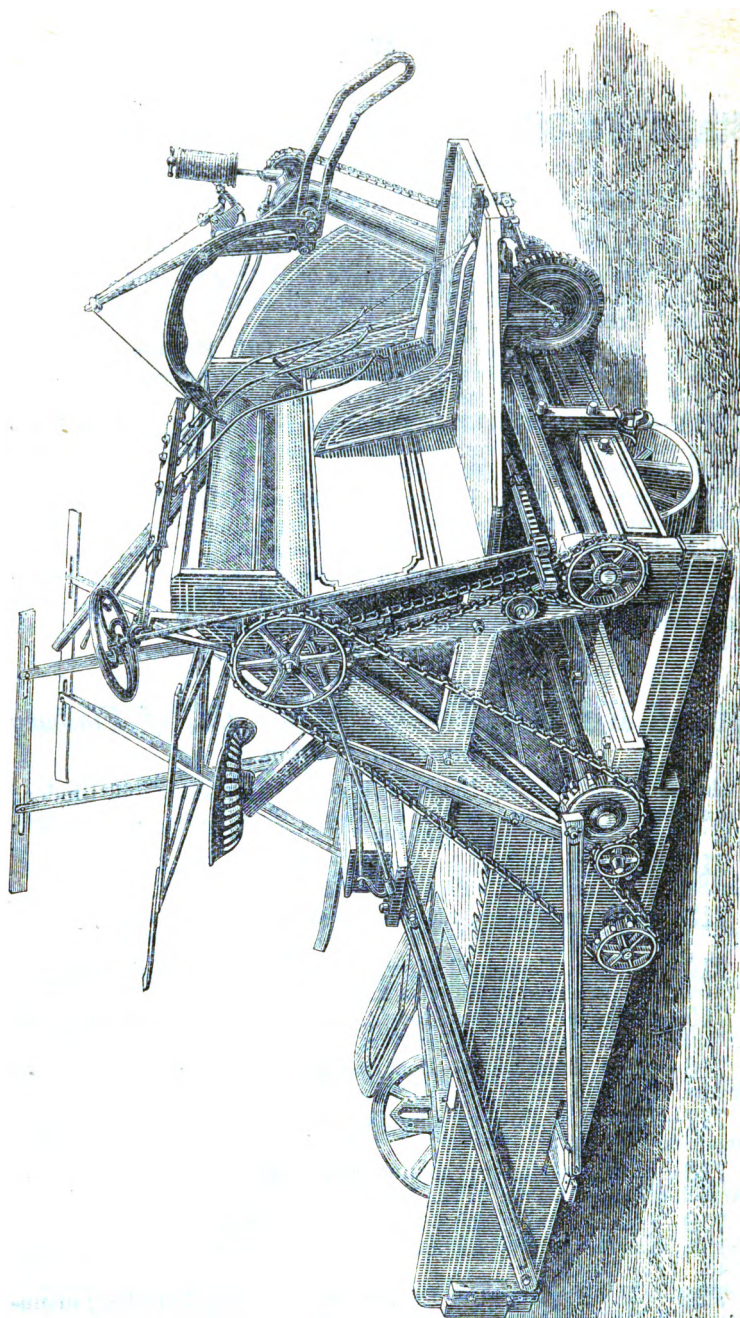
716—(*New Implement.*)—Buckeye Horse Rake; manufactured by Mrs. Wilson, of Canton, Ohio, U. S. A. Price £10. (*For Trial.*)

717—Broadcast Sower; manufactured by Thomas Turnbull, of Dumfries. Price £13.

718—Sickle Grinder; manufactured by Logan & Elder, of Berwick-on-Tweed. Price £2 2s.

719—(*New Implement.*)—10-Horse Canton Monitor Steam Engine; manufactured by Aultman & Co., of Canton, Ohio, U. S. A. Price £240. (*For Trial.*)

720—(*New Implement.*)—Buckeye Sweepstakes Thresher; manufactured by Aultman & Co. Price £110. (*For Trial.*)



EDMONDSONS' BUCKEYE HARVESTER AND BINDER.

Stand No. 40.—*E. R. and F. Turner, of St. Peter's Iron Works, Ipswich, Suffolk.*

Article 721—Prize Portable Steam Engine, of 5-Horse Power; manufactured by the Exhibitors. Price £165; pulley, extra.

722—8-Horse Power Portable Steam Engine, with Patent Automatic Variable Expansion Governor and Side Frames; manufactured by the Exhibitors. Price £220; pulley, extra.

723—3-Horse Power "Gippeswyk" Horizontal Steam Engine; manufactured by the Exhibitors. Price £42.

724—4-Horse Power "Gippeswyk" Horizontal Steam Engine; manufactured by the Exhibitors. Price £47 10s.

725—6-Horse Power "Gippeswyk" Horizontal Steam Engine; manufactured by the Exhibitors. Price £68.

726—12-Inch Cylinder "Gippeswyk," Horizontal Steam Engine, with Hartnell's Patent Automatic Expansion Governor; manufactured by the Exhibitors. Price £154.

727—3-Horse Power Vertical Independent "Gippeswyk" Steam Engine, without Boiler; manufactured by the Exhibitors. Price £40.

728—4-Horse Power Vertical Independent "Gippeswyk" Steam Engine, without Boiler; manufactured by the Exhibitors. Price £45.

729—6-Horse Power Vertical Independent "Gippeswyk" Steam Engine without Boiler; manufactured by the Exhibitors. Price £65.

730—2-Horse Power Vertical "Gippeswyk" Steam Engine, with Boiler combined; manufactured by the Exhibitors. Price £65.

731—4-Horse Power Vertical "Gippeswyk" Steam Engine, with Boiler combined; manufactured by the Exhibitors. Price £95.

732—6-Horse Power Vertical "Gippeswyk" Steam Engine, with Boiler combined; manufactured by the Exhibitors. Price £130.

733—Class 1 Double-Blast Finishing Thrashing Machine, marked *D F*, for 4 or 5-Horse Power Portable Engine; manufactured by the Exhibitors. Price £115; patent drum guard extra, £5.

734—Class 1 Double Blast Finishing Thrashing Machine, marked *B F*, for 8 or 10-Horse Power Portable Engine; manufactured by the Exhibitors. Price £155; patent drum guard extra, £5.

735—R. A. S. E. First Prize Corn Grinding Mill, with 2 Pairs of French Burr Stones, 3 ft. 6 in. diam.; manufactured by the Exhibitors. Price £130; loose pulley extra, £2 10s.; crane extra, £6.

736—R. A. S. E. First Prize Corn Grinding Mill with 3-Ft. diam. French Burr Stones; manufactured by the Exhibitors. Price £55; loose pulley extra, £2 5s.; crane extra, £6.

737—Corn-Grinding Mill, with 2-Ft. 6-In. Diam. French Burr Stones; manufactured by the Exhibitors. Price £40; loose pulley extra, £1 10s.; crane extra, £5.

738—Corn-Grinding Mill, with 2-Ft. Diam. French Burr Stones; manufactured by the Exhibitors. Price £32; loose pulley extra, £1.

739—Corn-Grinding Mill, with 20-In. Diam. French Burr Stones; manufactured by the Exhibitors. Price £26; loose pulley extra, £1.

740—Corn-Grinding Mill, with 15-In. Diam. French Burr Stones; manufactured by the Exhibitors. Price £18; loose pulley extra, 17s. 6d.

741—Corn and Seed-Crushing Mill No. 8, for Steam Power; manufactured by the Exhibitors; Price £21; pulley extra, each £1 2s.

742—Grinding, Crushing, and Bruising Mill, No. 8 B; manufactured by the Exhibitors. Price £20; pulleys extra, each £1 2s.

743—R. A. S. E. Oxford First Prize Corn and Linseed Crusher, for Power No. 1; manufactured by the Exhibitors. Price £18; pulley extra, 17s. 6d.

744—Corn Crusher and Bean and Maize Kibbler, No. 1 B, for Horse or Steam Power; manufactured by the Exhibitors. Price £16; pulley extra, 17s. 6d.

745—Crushing Mill, No. 2, for Hand or Power; manufactured by the Exhibitors. Price £8 15s.; pulley extra, 15s.

746—Combined Crushing and Kibbling Mill, No. 2 B; manufactured by the Exhibitors. Price £11; pulley extra, 15s.

747—Corn Crusher and Bean and Maize Kibbler, for Hand Power, No. 7 B; manufactured by the Exhibitors. Price £9.

748—R. A. S. E. Oxford First Prize Linseed or Malt Crusher, for Hand Power, No. 7; manufactured by the Exhibitors. Price £7.

749—Crushing Mill for Oats, Barley, Malt, and Linseed, No. 6, for Hand Power; manufactured by the Exhibitors. Price £5 5s.; second handle extra, 8s. 6d.

750—Corn Crusher and Bean and Maize Kibbler, for Hand Power, No. 6 B; manufactured by the Exhibitors. Price £6 5s.; second handle extra, 8s. 6d.

751—Oat Mill, for Hand Power, No. 11, "The Model;" manufactured by the Exhibitors. Price £4.

752—"The Model" Corn and Seed Crusher, with Bean and Maize Kibbler combined, No. 11 B; manufactured by the Exhibitors. Price £4 10s.

753—Kibbling Mill for Hand Power, No. 11 K; manufactured by the Exhibitors. Price £1 10s.; on wood pedestal extra, 7s. 6d.

754—Bean and Maize Kibbler for Hand Power, No. 6 K; manufactured by the Exhibitors. Price £2 10s.

755—Bean and Maize Kibbler for Hand or Horse Power, No. 2 K; manufactured by the Exhibitors. Price £5.

756—Bean and Maize Kibbler, for Hand, Horse, or Steam Power, No. 1 K; manufactured by the Exhibitors. Price £6 10s.; pulley extra, 17s. 6d.

757—Bean and Maize Kibbling Mill, No. 8 K, for Steam Power; manufactured by the Exhibitors. Price £9 10s.; pulley extra, £1.

758—Improved Malt Mill with Equal Rollers, 9-In. Diam. 21-In. Long; manufactured by the Exhibitors. Price £32; pulley extra.

759—No. 7 "Excelsior" Malt Crusher, for Hand Power, with Brackets to fix to Posts; manufactured by the Exhibitors. Price £6 10s.; wood posts extra.

760—Gear Work, No. 1, for a Pony or Light Hackney Horse; manufactured by the Exhibitors. Price £5 15s.

761—Intermediate Motion, for No. 1 Gear, for Increasing Speed; manufactured by the Exhibitors. Price £2 5s.

762—Horse and Cattle Gear, No. 2, for two Horses; manufactured by the Exhibitors. Price £11 15s.

763—Intermediate Motion, for No. 2 Gear, for Increasing Speed; manufactured by the Exhibitors. Price £3 15s.

764—Gear Work, No. 1 A, with Second Motion on same Frame, for a Pony; manufactured by the Exhibitors. Price £8.

765—Gear Work, No. 1 M, with Second Motion on same Frame; manufactured by the Exhibitors. Price £9.

766—Oil Cake Breaker, No. 4, for Hand Power, with 2 Pairs of Rolls, both Adjustable; manufactured by the Exhibitors. Price £4 15s.

767—Oil Cake Breaker, No. 1 A, for Hand Power (New Pattern), to break any Number of Sizes; manufactured by the Exhibitors. Price £3 3s.

768—Oil Cake Breaker, No. 6, for Steam Power; manufactured by the Exhibitors. Price £31; pulley extra.

Stand No. 41.—*Charles Toope and Co., of Red Lion Row, Walworth, London.*

Article 769—(*New Article.*)—Four Pulleys or Riggers of Different Sizes, Covered with Patent Covering for Preventing Slipping of Belts; manufactured by the Exhibitors. Price 4s. per superficial foot. The covering is composed of prepared paper, and an adhesive cement.

770—(*New Article.*)—20 Pieces of Patent Pipe Covering, from 1 in. diameter to 14 in. diameter, and one Boiler Sheet of same Patent; manufactured by the Exhibitors. Price 1s. per superficial foot. This non-conducting covering is composed of hair, felt, and paper, with an inside lining of asbestos to prevent charring.

Stand No. 42.—*Jeremiah Cowdy, of 40a, Queen Street, Cannon Street, London.*

Article 771—Assortment of "Oldfield's" Patent Link Leather Belting; manufactured for the Exhibitor. Price from 1s. 3d. to 11s. 4d. per foot run. See separate price list.

772—Assortment of India-Rubber and Cotton Canvas Belting; manufactured for the Exhibitor. Price 5d. to 9s. per foot. See separate price list.

773—Assortment of India-Rubber and Canvas Suction and Delivery Hose Pipes; manufactured for the Exhibitor. Price from 4d. to 8s. 1d. per foot. See separate price list.

774—Samples of Lubricating Oils for Engines and other Machinery. Price: No. 1, 2s. 6d. per gallon; No. 2, 3s. per gallon; "Queen," No. 3, 3s. 6d. per gallon.

775—Samples of Greases for Carts and Waggon, &c. Price from £12 per ton.

776—Samples of Cotton Waste for Cleaning Engines and other Machinery. Price from £23 per ton.

777—Assortment of Oil Feeders, with Patent Spring Arrangement. Price, $\frac{1}{2}$ pint, £1 2s. 6d. per dozen; 1 pint, £1 7s. 6d. per dozen; 2 pints, £1 15s. per dozen.

778—Assortment of Wrought-Iron Nails, for Fencing and other Purposes. Price from £15 per ton.

779—Assortment of Lamps for Traction Engine, Stable and other Purposes. Price from 4s. 6d. each. See separate price list.

Stand No. 43.—*Newton Wilson and Co., of
144, High Holborn, London.*

Article 780—"Horograph" or Clock-Work Pen; manufactured by the Exhibitors. Price £5 5s. This is an entirely new instrument for the rapid duplication of circulars, or any other written documents whatever. It is adapted for use in parishes, schools, public institutions, merchants' offices, solicitors' and accountants' business; wherever, in fact, writing requires to be multiplied. Fitted with octavo printing arrangements complete.

781—"Horograph" or Clock-Work Pen; manufactured by the Exhibitors. Price £6 10s. Like the preceding, but fitted with combined octavo and quarto printing apparatus.

782—"Horograph" or Clock-Work Pen; manufactured by the Exhibitors. Price £7 15s. Like No. 780, but fitted with foolscap and folio printing apparatus.

783—"Horograph" or Clock-Work Pen; manufactured by the Exhibitors. Price £9. Like No. 780, but fitted with foolscap and brief-size printing apparatus.

784—"Princess of Wales" Patent Sewing Machine; manufactured by the Exhibitors. Price £4 4s.

785—"Princess of Wales;" Patent Sewing Machine; manufactured by the Exhibitors. Price £5 5s.

786—"Princess of Wales" Patent Sewing Machine; manufactured by the Exhibitors. Price £6 16s. 6d.

787—"Princess of Wales" Patent Sewing Machine, with Treadle Stand; manufactured by the Exhibitors. Price £5 19s.

788—"Princess of Wales" Patent Sewing Machine, with Stand and Cover; manufactured by the Exhibitors. Price £6 16s. 6d.

789—"Princess of Wales" Patent Sewing Machine, with best Treadle Stand and Cover; manufactured by the Exhibitors. Price £8 18s. 6d.

790—"Empire" Sewing Machine; manufactured by the Exhibitors. Price £2 2s.

791—"Cleopatra" Patent Sewing Machine; manufactured by the Exhibitors. Price £3 3s.

792—"Little Acmé" Patent Kilting Machine; manufactured by the Exhibitors. Price £1 1s.

793—"Royal" Kilting Machine; manufactured by the Exhibitors. Price £2 2s.

794—"Acmé" Patent Kilting Machine; manufactured by the Exhibitors. Price £6 6s.

795—"Acmé" Patent Kilting Machine; manufactured by the Exhibitors. Price £9 9s.

796—Patent Roller Kilting Machine; manufactured by the Exhibitors. Price £14 14s.

797—Patent Roller Kilting Machine; manufactured by the Exhibitors. Price £17 17s.

798—Patent Roller Kilting Machine; manufactured by the Exhibitors. Price £21.

799—New Automatic Portable Gas Lamp; manufactured by the Exhibitors. Price £1 5s.

800—New Automatic Portable Gas Lamp; manufactured by the Exhibitors. Price £1 15s.

801—New Automatic Portable Gas Lamp; manufactured by the Exhibitors. Price £3 3s.

802—"Acmé" XX Bicycle; manufactured by the Exhibitors. Price £10 10s.

803—"Acmé" Bicycle, No. 1; manufactured by the Exhibitors. Price £12 10s.

804—"Acmé" Bicycle, No. 2; manufactured by the Exhibitors. Price £15 10s.

805—"Acmé" Racer Bicycle; manufactured by the Exhibitors. Price £16.

806—"Special Acmé" Bicycle; manufactured by the Exhibitors. Price £27. With spiral head, spiral bearings, detachable spokes, and nickel plated.

807—"Extra Special Acmé" Bicycle; manufactured by the Exhibitors. Price £40. Like the preceding, but exquisitely embossed throughout.

808—"Horse Grooming Machine," No. 1; manufactured by the Exhibitors. Price £26 5s.

809—"Horse Grooming Machine," No. 2; manufactured by the Exhibitors. Price £31 10s. This machine is fitted for both grooming and clipping. Either machine can be fitted for steam power.

810—Sheep Shearing Machine; manufactured by the Exhibitors. Price £26 5s.

Stand No. 44.—*W. H. Willcox and Co., of 40 and 41, Upper Thames Street, London, E.C.*

Article 811—Double Leather Driving Band, 65 Ft. by 5 In., Endless, Sewn with Copper Wire; manufactured for the Exhibitors. Price £13 10s.

812—Extra Stout Single Leather Driving Band, Endless, 65 Ft. by 5 In.; manufactured for the Exhibitors. Price £8.

813—Single Endless Driving Band, 65 Ft. by 5 In.; manufactured for the Exhibitors. Price £7 10s.

814—Single Leather Machine Belting, in Rolls; manufactured for the Exhibitors. Price from 4d. to 2s. 6d. per foot.

815—Double Cemented Leather Belt, 4 In. Wide; manufactured by Wild's Leather Company, of London. Price 3s. 7d. per foot.

816—Swiss Leather Laces; manufactured for the Exhibitors. Price from 9s. to 23s. per gross.

817—Millband or Strap Butts; manufactured for the Exhibitors. Price from 2s. 2d. to 2s. 6d. per lb.

818—India-Rubber Machine Belts for Thrashing Machines; manufactured for the Exhibitors. Price £5 to £7 10s.

819—India-Rubber Delivery and Suction Hose Pipes; manufactured for the Exhibitors. Price 5d. to 2s. 9d. per foot.

820—Assortment of Engine and Boiler Mountings; manufactured by W. H. Bailey & Co., of Manchester. Price 5s. to £3.

821—Assortment of Steam and Vacuum Gauges; manufactured for the Exhibitors. Price from 1s. to £1 15s.

822—Engine Packing-Coils of Assorted Sizes; manufactured by the Lion Lubricative Packing Company, of London. Price from 1s. 6d. per lb.

823—Assortment of Patent Oil Feeders; manufactured for the Exhibitors. Price 9d. to 3s. each.

824—Samples of Needle Lubricators; manufactured by De la Caux, of Paris. Price from 9d. to 10s.

825—Assortment of Belt Fasteners; manufactured by Greene & others. Price from 3s. per 100.

Stand No. 45.—*Hepburn and Gale, of 16, Long Lane, Southwark, London, S.E.*

Article 826—Collection of Best Double Leather Belts, from 6 In. to 18 In. Wide; manufactured by the Exhibitors. Price 5s. 7d. to 19s. per foot. Made on the improved principle, *i.e.* cut from the centre of the hide, sewn with hemp, thongs, or copper wire, and riveted.

827—Collection of Single Leather Belts, from 1 In. to 8 In. Wide, made of Best English Leather; manufactured by the Exhibitors. Price 4½d. to 4s. 3d. per foot.

828—Collection of Single Endless Leather Belts, for Thrashing Machines or Portable Engines; manufactured by the Exhibitors. Price £7 10s. to £8 per belt.

829—Collection of Endless Composite Bands, for Portable Engines; invented and manufactured by the Exhibitors. Price £10 10s. to £13 9s. per belt.

830—Collection of Endless Double Leather Bands, for Portable Engines; manufactured by the Exhibitors. Price £11 15s. to £15 3s. per belt.

831—Collection of Good Quality Single Leather Belting, from 1 In. to 6 In. Wide, Endless, or in any Lengths; manufactured by the Exhibitors. Price 2s. 4d. to 3s. per lb.

832—Collection of Millband, or Strap Butts, Prepared for Making and Repairing Straps used in Agricultural Machinery; manufactured by the Exhibitors. Price 2s. to 3s. per lb.

833—Collection of Waterproof Pump Butts and Bucket Leathers; invented and manufactured by the Exhibitors. Price: in butts, 2s. to 2s. 4d. per lb.; in bucket leathers, 4s. to 5s. per lb. Used for agricultural or mining purposes. These are made by the Exhibitors under a process of their own; they will last much longer than any other kind, and are known as "Hepburn's Waterproof Pump Leather."

834—Collection of Patent Hide Laces, from 2 Ft. to 6 Ft. Long, made on the principle of the "Helvetia," "Crown," and "Preller" Leather; manufactured by the Exhibitors. Price from 8s. to £4 per gross.

835—Collection of Leather Delivery and Suction Hose Pipes and Buckets, for Agricultural Purposes; manufactured by the Exhibitors. Price: pipes, 2s. 7d. to 3s. 8d. per foot; buckets, 7s. to 12s. 6d. each.

836—Collection of Drums of Excelsior Compound, or Glutinous Belting Syrup; manufactured by the Exhibitors. Price 1s. per lb. In drums from 14 lb. to 56 lb. each. Used in agricultural machinery for increasing the gripping power of belts.

837—Collection of Endless India-Rubber Bands for Portable Engines; manufactured for the Exhibitors. Price £6 5s. to £8 5s. per band.

838—Collection of Lengths of India-Rubber Suction Hose for Portable Engines; manufactured for the Exhibitors. Price 10d. to 2s. 7d. per foot.

839—Collection of Lengths of India-Rubber Delivery Hose for Garden and other Agricultural Purposes; manufactured for the Exhibitors. Price 5d. to 2s. 3d. per foot.

840—Collection of Lubricative Packing for Pistons of Engines; manufactured for the Exhibitors. Price 2s. 6d. per lb.

Stand No. 46.—*Webb and Son, of Combs Tannery, Stourmarket, Suffolk.*

Article 841—Leather Machine Band, Double Substance; manufactured by the Exhibitors. Price 16s. 9d. per foot. 60 ft. long, by 16 in. wide. This and the following bands are made from English hides, selected, tanned, curried, and stretched by the Exhibitors, expressly to ensure the qualities of uniform strength, toughness, and durability.

842—Leather Machine Band, Double Substance; manufactured by the Exhibitors. Price 12s. 6d. per foot. 60 ft. by 12 in.

843—Leather Machine Band, Double Substance; manufactured by the Exhibitors. Price 10s. 3d. per foot. 60 ft. by 10 in.

844—Leather Machine Band, Double Substance; manufactured by the Exhibitors. Price 8s. per foot. 60 ft. by 8 in.

845—Leather Machine Band, Double Substance; manufactured by the Exhibitors. Price 5s. 6d. per foot. 60 ft. by 6 in.

846—Leather Machine Band, Double Substance; manufactured by the Exhibitors. Price 4s. 7d. per foot. 60 ft. by 5 in.

847—Leather Machine Band, Double Substance; manufactured by the Exhibitors. Price 3s. 8d. per foot. 60 ft. by 4 in.

848—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 8s. per foot. 60 ft. by 12 in.

849—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 5s. 6d. per foot. 60 ft. by 10 in.

850—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 4s. 1d. per foot. 60 ft. by 8 in.

851—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 2s. 11d. per foot. 60 ft. by 6 in.

852—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 2s. 5d. per foot. 60 ft. by 5 in.

853—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 2s. 6d. per foot. Specially prepared for working in wet or damp. 60 ft. by 5 in.

854—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 1s. 10d. per foot. 60 ft. by 4 in.

855—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 1s. 3½d. per foot. 60 ft. by 3 in.

856—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 9d. per foot. 60 ft. by 2 in.

857—Leather Machine Band, Single Substance; manufactured by the Exhibitors. Price 4½d. per foot. 60 ft. by 1 in.

858—Leather Suction Hose; manufactured by the Exhibitors. Price 5s. 4d. per foot. 2½ in. diameter.

859—Leather Delivery Hose; manufactured by the Exhibitors. Price 2s. 11d. per foot. 2½ in. diameter.

860—Leather Fire Buckets; manufactured by the Exhibitors. Price 12s. 6d. each.

861—Walrus Leather Band; manufactured by the Exhibitors. Price 2s. 6d. per lb.

862—Butt Leather, Tanned, Curried, and Stretched expressly for Machine Band; manufactured by the Exhibitors. Price 2s. 6d. per lb.

863—Valve Hide; specially prepared by the Exhibitors. Price 2s. per lb.

864—Assortment of Leather Laces for Lashing Bands. Price from 1s. per doz.

865—Specimens of English Sole Butt Leather; manufactured by the Exhibitors. Price 1s. 10d. to 2s. 3d. per lb.

866—Specimens of Tanned Calfskins; manufactured by the Exhibitors. Price 2s. 6d. per lb.

867—An Assortment of Band Fasteners. Price from 1s. 3d. per doz.

868—Specimens of Tanned Sheep Leather; manufactured by the Exhibitors. Price to £2 10s. per doz.

869—Specimens of Lamb Skins (Dressed); manufactured by the Exhibitors. Price from 7s. 6d. per doz.

870—Assortment of Leather Buttons for Gaiters, &c. Price from 1s. per gross.

Stand No. 47.—*James Sinclair, of 104, Leadenhall Street, London, E.C.*

Article 871—Double Express Chemical Fire Engine; manufactured by W. B. Dick & Co., of Glasgow. Price £38 10s. Two large extinc-teurs mounted on wheels and connected by a three-way valve. Most suitable for farm protection.

872—Extincteur "Fire Queen," One Charge. Leather Valve and Pedestal, No. 4; manufactured by W. B. Dick & Co. Price £7 4s. 6d. The well-known chemical self-acting fire engine.

873—Extincteur "Fire Queen," One Charge. Leather Valve and Pedestal, No. 5; manufactured by W. B. Dick & Co. Price £8 0s. 6d.

874—Extincteur "Fire Queen," One Charge. Leather Valve and Pedestal, No. 6; manufactured by W. B. Dick & Co. Price £9 2s.

875—Smoke Respirator and Goggles; manufactured by the Exhibitor. Price £2 10s. Fireman's respirator.

876—Combined Smoke Respirator, with 30 Ft. Tubing; manufactured by the Exhibitor. Price £4 15s. For mining purposes.

877—Domestic Fire Escape, with Lady's Seat; manufactured by the Exhibitor. Price £2.

878—Single-Headed Stand Pipe; manufactured by the Exhibitor. Price £3 5s.

879—Double-Headed Stand Pipe; manufactured by the Exhibitor. Price £3 10s.

880—Landing Valve; manufactured by the Exhibitor. Price £2 2s.

881—Branch Pipe (Copper), 18 In.; manufactured by the Exhibitor. Price £1.

882—Branch Pipe (Copper), 24 In.; manufactured by the Exhibitor. Price £1 1s.

883—Gun Metal Union Plain, $2\frac{1}{4}$ In.; manufactured by the Exhibitor. Price 13s. 6d.

884—Gun Metal Union Plain, $2\frac{1}{2}$ In.; manufactured by the Exhibitor. Price 14s. 6d.

885—Gun Metal Union Swivel, $2\frac{1}{4}$ In.; manufactured by the Exhibitor. Price 16s. 6d.

886—1 Length Superior Hand-Woven Flax Hose, $2\frac{1}{4}$ In.; manufactured by the Exhibitor. Price 3s. 3d. per yard.

887—Length No. 1 Super Flax Hose, $2\frac{1}{2}$ In.; manufactured by the Exhibitor. Price 3s. per yard.

888—Household Rapid Water Filter; manufactured by the Household Filter Co., of Manchester. Price 15s.

889—Household Rapid Water Filter for Bars, Brass, 2 Taps; manufactured by the Household Filter Co. Price £1 5s.

890—Household Rapid Water Filter, Electro-Plated, 2 Taps; manufactured by the Household Filter Co. Price £1 16s.

891—Indispensable High-Pressure Water Filter; manufactured by Fielding & Co., of Manchester. Price 12s. 6d.

892—Indispensable High-Pressure Water Filter for Bars; Price £1 10s.

893—Patent Adjustable Shop Ladders; manufactured by W. Mitchell, of Brandon. Price £1 12s. 6d.

Stand No. 48.—*Sheath Brothers, of 89, City Road, London.*

Article 894—Thrashing Machine Band; manufactured for the Exhibitors. Price £6 16s. 6d. $4\frac{1}{2}$ in. wide, 4-ply vulcanized india-rubber and cotton endless band for thrashing machine; 60ft. long, warranted the best quality, at 2s. 2½d. per foot.

895—Thrashing Machine Band; manufactured for the Exhibitors. Price £7 12s. 3d. 5 in. wide, 4-ply vulcanized india-rubber and cotton endless band for thrashing machine; 60 ft. long, warranted the best quality, at 2s. 5d. per foot.

896—Thrashing Machine Band; manufactured for the Exhibitors. Price £8 8s. $5\frac{1}{2}$ in. wide, 4-ply vulcanized india-rubber and cotton endless band for thrashing machine; 60 ft. long, warranted the best quality, at 2s. 8d. per foot.

897—Thrashing Machine Band; manufactured for the Exhibitors. Price £9 3s. 9d. 6 in. wide, 4-ply vulcanized india-rubber and cotton endless band for thrashing machine; 60 ft. long, warranted the best quality, at 2s. 11d. per foot.

898—Thrashing Machine Band; manufactured for the Exhibitors. $4\frac{1}{2}$ in. wide, $\frac{1}{4}$ in. thick, gutta percha thrashing machine band, endless. Price 6s. 6d. per lb., 60 ft. long, warranted the best quality; average weight about 30 lbs.

899—Thrashing Machine Band; manufactured for the Exhibitors. 5 in. wide, $\frac{1}{4}$ in. thick, gutta percha thrashing machine band, endless. Price 6s. 6d. per lb., 60 ft. long, warranted the best quality; average weight about 34 lbs.

900—Thrashing Machine Band; manufactured for the Exhibitors. $5\frac{1}{2}$ in. wide, $\frac{1}{4}$ in. thick, gutta-percha thrashing machine band, endless. Price 6s. 6d. per lb., 60 ft. long, warranted the best quality; average weight about 37 lbs.

901—Thrashing Machine Band; manufactured for the Exhibitors. 6 in. wide, $\frac{1}{4}$ in. thick, gutta-percha, thrashing machine band, endless. Price 6s. 6d. per lb., 60 ft. long, warranted the best quality; average weight about 40 lbs.

902—Coil Single Leather Mill Band; manufactured for the Exhibitors. Price £9 11s. 8d. 4 in. wide, best single leather mill band, 100 ft. long, at 1s. 11d. per foot.

903—Coil Single Leather Mill Band; manufactured for the exhibitors. Price £12 1s. 8d. 5 in. wide best single leather mill band, 100 ft. long, at 2s. 5d. per foot.

904—Coil Single Leather Mill Band; manufactured for the Exhibitors. Price £15. 6 in. wide, best single leather mill band, 100 ft. long, at 3s. per foot.

905—Thrashing Machine Band; manufactured for the Exhibitors. Price £7 7s. 5d. 5 in. wide, best single leather thrashing machine band, endless; 60 ft. long, at 2s. 5d. per foot.

906—Thrashing Machine Band; manufactured for the Exhibitors. Price £9 3s. 6 in. wide, best single leather thrashing machine band, endless; 60 ft. long, at 3s. per foot.

907—Double Leather Band; manufactured for the Exhibitors. Price £19. 5 in. wide, best double leather, 80 ft. long, at 4s. 9d. per foot.

908—Vulcanized India-Rubber Delivery Hose; manufactured for the Exhibitors. Coil, each 60ft. long, 2-ply vulcanized india-rubber delivery hose, 1 in., $1\frac{1}{2}$ in., $1\frac{1}{2}$ in., $1\frac{3}{4}$ in., 2 in. Price as per list. Suitable for liquid manure pumps and fire engines.

909—Vulcanized India-Rubber Suction Hose; manufactured for the Exhibitors. Coil, each 60 ft. long, 2-ply vulcanized india-rubber suction hose, 1 in., $1\frac{1}{2}$ in., $1\frac{1}{2}$ in., $1\frac{3}{4}$ in., 2 in.; $2\frac{1}{2}$ in. Price as per list. Suitable for liquid manure pumps and fire engines.

910—Assortment of Sheet Rubber, Washers, Valves, and Sacking; manufactured for the Exhibitors. Price as per list.

911—India-Rubber Double Texture Grey Waterproof Rick or Cart Cover; manufactured by the Exhibitors. Price 4s. 6d. per square yard.

912—Woven Flax Delivery Hose; manufactured for the Exhibitors. Coil, each 1000 ft. long, woven flax delivery hose, $1\frac{1}{2}$ in., 2 in., $2\frac{1}{2}$ in. Price, each, 7d., 8d., and 10d. per foot. Suitable for fire engines and force pumps.

913—Set of Patent Self Supplying and Irrigating Water Brushes and Apparatus Complete; manufactured by the Exhibitors. Price, see list, from £1 2s. complete.

914—Set of Copper Taper Branch Pipes for Fire Engine Hose and Agricultural Use; manufactured by the Exhibitors. 1 in., 1½ in., 1½ in., 1½ in., 2 in., 2½ in., 2½ in., 3 in. Price, as per illustrated catalogue.

915—Set of Hose Screws, Various; manufactured by the Exhibitors. ½ in., ¾ in., ¾ in., 1 in., 1½ in., 1½ in., 1½ in., 2 in., 2½ in., 2½ in., 3 in., 3½ in., and 4 in. Price as per illustrated catalogue.

916—Set of Copper Strainers for Suction Hose, Various; manufactured by the Exhibitors. Price as per illustrated catalogues.

917—India-Rubber Garden Hose; manufactured by the Exhibitors. Coil, each 60 ft. long, india-rubber garden hose. ½ in., ¾ in., ¾ in., 1-ply with necessary fittings complete. Price as per illustrated catalogue.

918—India-Rubber Garden Hose; manufactured by the Exhibitors. Coil, each 60 ft. long, india-rubber garden hose. ½ in., ¾ in., ¾ in., 2 ply, with necessary fittings complete. Price as per illustrated catalogue.

919—India-Rubber Garden Hose; manufactured by the Exhibitors. Coil, each 90 ft. long, india-rubber garden hose. ½ in., ¾ in., ¾ in., 1-ply, with necessary fittings complete. Price as per illustrated catalogue.

920—India-Rubber Garden Hose; manufactured by the Exhibitors. Coil, each 90 ft. long, india-rubber garden hose. ½ in., ¾ in., ¾ in., 2-ply, with necessary fittings complete. Price as per illustrated catalogue.

Stand No. 49.—*Shand, Mason and Co., of 75, Upper Ground Street, Blackfriars, London.*

Article 921—Agricultural Manual Fire Engine, specially adapted as a Sewage Pump; manufactured by the Exhibitors. Price £30.

922—Improved Manual Fire Engine, as specially constructed for the Metropolitan London Fire Brigade; manufactured by the Exhibitors. Price £135.

923—Portable Manual Fire Engine, to be Worked by Two Men; manufactured by the Exhibitors. Price £10.

924—Improved Corridor Fire Engine, as supplied to H.R.H. the Prince of Wales, &c. &c.; manufactured by the Exhibitors. Price £6 10s.

925—Improved Large Size Portable Fire Pump; manufactured by the Exhibitors. Price £6 6s.

926—Portable Fire Pump, as supplied to the Metropolitan London and other Fire Brigades; manufactured by the Exhibitors. Price £2 10s. Fitted with pail and cover, 10 ft. of leather or india-rubber hose and jet, £3 7s. 6d.

927—Assortment of Fire Buckets made of Various Materials; manufactured by the Exhibitors. For prices, &c., see Shand, Mason and Co.'s price lists.

928—Assortment of Various Implements used in connection with Fire Engines; manufactured by the Exhibitors. For prices and particulars see Shand, Mason and Co.'s price lists.

929—Assortment of Firemen's Equipments, Helmets, &c.; manufactured by the Exhibitors. For prices and particulars see Shand, Mason and Co.'s price lists.

930—Assortment of Hydrants, and Fittings used in connection therewith; manufactured by the Exhibitors. For prices and particulars see Shand, Mason and Co.'s price lists.

Stand No. 50.—*Haughton and Thompson, Agricultural Engineers, of Carlisle, Cumberland.*

Article 931—Patent Self-Acting Horse Hay Rake; manufactured by the Exhibitors. Price £13 13s. With 26 steel teeth, 4 ft. wrought-iron wheels; extreme width, 8ft. It collects and delivers the hay, raises the teeth and brings them back again to raking position, the driver only requiring to tip a small lever with his toe while riding, or with his finger while walking. Is fitted with new lifting arrangement by which the teeth can be regulated.

932—Patent "National" Horse Hay Rake; manufactured by the Exhibitors. Price £10 15s. Fitted with combined seat and walking leverage; has 24 steel teeth, 4 ft. wheels; extreme width 7 ft. 6 in. This rake is also fitted with the patent parallel screw adjustment, same as the foregoing.

933—"Farmer" Horse Hay Rake; manufactured by the Exhibitors. Price £8 10s. With 24 steel teeth, 4 ft. drive wheels; extreme width 7 ft. 6 in. The teeth are of the girder beam section, combining great strength with lightness.

934—2-Horse Power Patent "Eclipse" Threshing and Dressing Machine, with Horse Gear complete; manufactured by the Exhibitors. Price £31. This machine is fitted with fanners, by which the corn is separated from the chaff and delivered through a spout nicely dressed, and fit for grinding and feeding purposes. By the new screw adjustment the drum can be regulated instantaneously to thrash any sort of grain.

935—Broadcast Seed Sower, fitted with 15 ft. Hopper; manufactured by the Exhibitors. Price £10 10s. Can be used for corn, clover, and grass seeds, also for distributing dry manures.

936—Wrought-Iron Land Roller; manufactured by the Exhibitors. Price £9. Fitted with two cylinders. Wood frame and shafts, 6 ft. wide by 2 ft. diam.

937—Wrought-Iron Land Roller; manufactured by the Exhibitors. Price £11 5s. With two cylinders. 6 ft. long by 2 ft. 6 in. diam., fitted with angle-iron frame and tubular shafts.

938—Improved Food Barrow; manufactured by the Exhibitors. Price £3 15s. To hold 60 gallons. An indispensable article in a farmyard for wheeling food and mixing drinks for cattle, &c.

939—Improved Food Barrow; manufactured by the Exhibitors. Price £4. To hold 80 gallons.

Stand No. 51.—*Benjamin Kittmer, Fulstow, Louth, Lincoln.*

Article 940—Corn-Dressing Machine; manufactured by the Exhibitor. Price £7 10s.

941—Corn-Dressing Machine; manufactured by the Exhibitor. Price £8 10s.

942—Combined Dressing and Blowing Machine; manufactured by the Exhibitor. Price £9.

943—Combined Dressing and Blowing Machine; manufactured by the Exhibitor. Price £9 10s.

944—Combined Dressing and Blowing Machine, with Shaking Screen; manufactured by the Exhibitor. Price £10.

945—Corn Weighing Machine; manufactured by the Exhibitor. Price £2 15s.

Stand No. 52.—*Anderson, Abbott, and Anderson, of* 37, Queen Victoria Street, London.

Article 946—India-Rubber and Cotton Machine Band; manufactured by the Exhibitors. Price £8 4s. Composed of india-rubber and best Sea Island cotton duck, 6 in. wide and 6 ply thick. Especially adapted for steam ploughing and thrashing machines; 60 ft. long.

947—India-Rubber and Cotton Machine Band; manufactured by the Exhibitors. Price £6 2s. 6d. Similar to above, but not so strong for thrashing; 6 in. wide, 4 ply thick, 60 ft. long.

948—India-Rubber and Cotton Machine Band; manufactured by the Exhibitors. Price £5 12s. Similar to above; suitable for 8-horse engines; 5½ in. wide, 4 ply thick, 60 ft. long.

949—India-Rubber and Cotton Machine Band; manufactured by the Exhibitors. Price £5 1s. 6d. Similar to No. 948, for 6 to 8-horse engines; 5 in. wide, 4 ply thick, 60 ft. long.

950—India-Rubber and Cotton Machine Band; manufactured by the Exhibitors. Price £4 11s. Similar to above; for 6-horse engines; 4½ in. wide, 4 ply thick, 60 ft. long.

951—Double Leather Copper Sewn Machine Band; manufactured by the Exhibitors. Price £11 16s. 3d. For steam ploughing and thrashing; 6 in. wide, 60 ft. long.

952—Double Leather Wax Sewn Machine Band; manufactured by the Exhibitors. Price £9 11s. 3s. Similar to above; 5 in. wide, 60 ft. long.

953—Single Leather Machine Band; manufactured by the Exhibitors. Price £4 17s. 6d. For 8-horse engine; 5 in. wide, 60 ft. long.

954—Single Leather Machine Band; manufactured by the Exhibitors. Price £4 4s. 5d. For 6-horse engine; 4½ in. wide, 60 ft. long.

955—Gutta Percha Band (Best Quality); manufactured by the Exhibitors. Price £7 12s. 6d. Suitable for 8-horse thrashing machines; 5 in. wide, 60 ft. long.

956—Gutta Percha Band (Best Quality); manufactured by the Exhibitors. Price £6 15s. Suitable for 6-horse thrashing machines; 4½ in. wide, 60 ft. long.

957—Cerofilum Belt; manufactured by the Exhibitors. Price £12. Suitable for steam ploughing, brickmaking, or any heavy out-door work; 12 in. wide, 60 ft. long.

958—Cerofilum Belt; manufactured by the Exhibitors. Price £6. Similar to above; 6 in. wide, 60 ft. long.

959—Cerofilum Belt; manufactured by the Exhibitors. Price £5. Similar to above; 5 in. wide, 60 ft. long.

960—Length of Suction Hose; manufactured by the Exhibitors. Price £6 15s. 60 ft. long, 2½ in. diam. Suitable for irrigating purposes.

961—Length of Suction Hose; manufactured by the Exhibitors. Price £4 18s. 4d. Suitable for irrigation, manure pumps, &c. 2 in. in diam, 60 ft. long, 2 ply.

962—Length of Suction Hose; manufactured by the Exhibitors. Price £3 15s. As above; 1½ in. in diameter, 60 ft. long.

963—Length of Suction Hose; manufactured by the Exhibitors. Price £2 15s. As above; 1 in. in diam., 60 ft. long; for feed pipes of portable engines.

964—Length of Suction Hose; manufactured by the Exhibitors. Price £2 1s. 8d. For feed pipes of portable engines; ¾ in. in diam., 60 ft. long.

965—Length of Delivery Hose; manufactured by the Exhibitors. Price £3 18s. 4d. For distributing manure, &c., for farm and other purposes; 2 in. in diam., 2 ply, 60 ft. long.

966—Length of Delivery Hose; manufactured by the Exhibitors. Price £3 1s. 8d. Similar to above; 1½ in. in diam., 2 ply, 60 ft. long.

967—Length of Delivery Hose; manufactured by the Exhibitors. Price £2 5s. Similar to above; 1 in. in diam., 2 ply, 60 ft. long.

968—Length of Special Steam Hose Covered with Tarred Marline; manufactured by the Exhibitors. Price £6 15s. Capable of resisting 300 pressure to the square; for tree-felling, rock-drilling machines, &c.

969—Length of Fire-Engine Hose; manufactured by the Exhibitors. Price £6. For portable fire engines, farm, and other purposes; 2½ in. in diam., 4 ply, 60 ft. long.

970—Assortment of Packings; manufactured by the Exhibitors. Price as per price list. For sheets, valves, washers, stuffing boxes, &c., for portable engines.

971—Waterproof Cart and Waggon Covers; manufactured by the Exhibitors. Price 3s. 6d. per square yard. In double texture macintosh sheet. Various sizes. Carefully prepared by competent workmen, and fully warranted.

972—Waterproof Cart and Van Covers in Oil, Black and Yellow; manufactured by the Exhibitors. Price 2s. and 2s. 6d. per square yard. Similar to above.

973—Coils of India-Rubber Hose and Belting; manufactured by the Exhibitors. Price as per price list. In Rubber, Cerofilum, Leather, and Gutta Percha; in various widths and strengths.

974—Assortment of Loin Cloths, &c.; manufactured by the Exhibitors. Price as per price list. In macintosh and oil, for cart and chain horses.

975—Assortment of Waterproof Coats, &c.; manufactured by the Exhibitors. Price as per price list. Suitable for farmers, labourers, &c.

976—Woven Canvas Hose, No. 2; manufactured by the Exhibitors. Price £15. For fire engines, &c.; 200 ft. by 2½ in.

977—Assortment of Waterproof Sporting Coats; manufactured by the Exhibitors. Price from £1 10s. to £5 5s. Suitable for shooting, hunting and fishing.

978—Assortment of Driving Rugs and Carriage Aprons; manufactured by the Exhibitors. Price from 10s. to £6 6s. With homespun tweed, wool and fur linings.

979—Assortment of Fishing Requisites; manufactured by the Exhibitors. Price from 15s. 6d. to £3 10s. Fishing stockings, trousers, brogues, bags, and leather and Angola-lined fishing boots and rubber fishing boots.

980—Assortment of Waterproof Coats; manufactured by the Exhibitors. Price from £2 to £5. In tweed, serge, Angola, and India cloth, all specially prepared for tropical climates; newest designs and patterns.

981—Assortment of Goodyear's Pocket Gymnasium Health Lifts and Rowing Machines; manufactured by the Goodyear Rubber Company, of New York. Price from 2s. 9d. to £1 8s. 6d.

982—Assortment of Leggings; manufactured by the Exhibitors. Price from 5s. to £1 5s. For sporting, riding, and walking; in best cowhide leather, tweed, tan canvas, and enamelled leather.

983—Assortment of India-Rubber Mats; manufactured by the Exhibitors. Price 2s. per lb. For carriages, conservatories, doors, &c. Any name, initial, number, or monogram can be cut to order.

984—Assortment of Boots; manufactured by the Exhibitors. Price £1 5s. For hedging, ditching, &c.

985—Assortment of Regulation Camp Equipments; manufactured by the Exhibitors. Price from 4s. 6d. For Volunteers, Yeomanry, &c.; as supplied to the War Office by the Exhibitors.

Stand No. 53.—*Croggon and Co., of 42, Upper Thames Street, London, E.C.*

Article 986—Roll of Roofing Felt; manufactured by the Exhibitors. Price 1d. per square foot.

987—Roll of Inodorous Felt; manufactured by the Exhibitors. Price 1d. per square foot

988—Sheet of 16-Oz. Hair Felt, 34 in. by 20 in.; manufactured by the Exhibitors. Price 7d.

989—Sheet of 24-Oz. Hair Felt; manufactured by the Exhibitors. Price 9d.

990—Sheet of 32-Oz. Hair Felt; manufactured by the Exhibitors. Price 11d.

991—Sheet of 40-Oz. Hair Felt; manufactured by the Exhibitors. Price 1s. 1d.

992—Sheet of 48-Oz. Hair Felt; manufactured by the Exhibitors. Price 1s. 3d.

993—Roll of No. 1 Long-Hair Felt, 20 Yards. Price 1s. per yard.

994—Roll of Galvanized Wire-Netting for Aviaries, 24 by 1 by 20. Price 3s. per yard.

995—Roll of Galvanized Wire-Netting for Poultry Enclosures, 36 by 1 by 20. Price 1s. 10½d. per yard.

996—Roll of Galvanized Wire-Netting, 36 by 1 by 19. Price 1s. 4½d. per yard.

997—Roll of Galvanized Wire-Netting for Pheasantries, 36 by 1½ by 19. Price 1s. 1½d. per yard.

998—Roll of Galvanized Wire-Netting, 36 by 1½ by 18, for Rabbits. Price 10½d.

999—Roll of Galvanized Wire-Netting, 24 by 1½ by 18, Game-Proof. Price 6d. per yard.

1000—Roll of Galvanized Wire-Netting, 36 by 2 by 19, Poultry Enclosures. Price 6½d. per yard.

1001—Roll of Galvanized Wire-Netting, 24 by 2 by 18. Price 5d. per yard.

1002—Roll of Galvanized Wire-Netting, 24 by 2 by 19. Price 4½d. per yard.

1003—Roll of Galvanized Wire-Netting, 36 by 3 by 19. Price 4½d. per yard.

1004—Roll of Galvanized Wire-Netting (Sheep), 36 by 4 by 16 A. Price 7½d. per yard.

1005—Roll of Galvanized Sheep-Netting, 35 by 4 by 16, B 2 Strands. Price 9½d. per yard.

1006—Set of Foundation Felt Slabs for Damp Courses. Price from 1½d. to 8½d. each.

1007—Sheet of Slabbed Iron for Malt Kilns, 6 by 2. Price 8d. per foot.

1008—Sheet of Perforated Zinc for Agricultural Machines, 8 by 3, No. 8 Hole. Price 6d. per foot.

1009—Sheet of No. 9 Perforated Zinc Agricultural Machines, 8 by 3. Price 6d. per foot.

1010—Sheet of No. 10 Perforated Zinc Agricultural Machines, 8 by 3. Price 6d. per foot.

1011—6-Gallon Well Bucket, Galvanized. Price 9s.

1012—Galvanized-Iron Stable Bucket, 12 in., No. 5. Price 2s. 6d.

1013—Set of Galvanized-Iron Oval Corn Skips, 16 in., 18 in., 20 in. Price 3s. 3d., 3s. 6d., 4s.

1014—Set of Galvanized-Iron Turnip Skips, 16 in., 17 in., 18 in. Price 2s. 9d., 3s., 3s. 3d.

1015—Set of Galvanized-Iron Manure Bowls, 8 in., 9 in., 10 in. Shallow; 8 in., 9 in., 10 in. Deep. Price 2s. 3d., 2s. 6d., 3s., Shallow; 4s., 4s. 8d., 5s., Deep.

1016—Galvanized-Iron Water Barrow, 20 Gallons. Price £2.

1017—Galvanized-Iron Open Cistern, 100 Gallons. Price £1 17s. 6d.

1018—Painted Galvanized-Iron Open Cistern, 100 Gallons. Price £1 10s.

1019—Galvanized Wrought-Iron Cattle Trough, 6 ft. Price £3 10s.

1020—Painted Galvanized Wrought-Iron Cattle Trough, 6 ft. Price £2 9s. 6d.

1021—Galvanized-Iron Tank, 50 Gallons. Price £2 10s.

1022—Galvanized-Iron Corn-Bin, Square, 4 Bushels. Price £1 14s.

1023—Galvanized-Iron Corn Bin, Round. Price £1 4s.

1024—Painted Galvanized-Iron Corn Bin, Round. Price £1 4s.

1025—Set of Galvanized-Iron Yorkshire Seed Hoppers, 22, 24, 26. Price 4s., 4s. 6d., 5s. 6d.

1026—Galvanized Corrugated Iron Hut. Price £10.

1027—Bundle of Galvanized Corrugated Iron Sheets, each 6 ft., 7 ft., and 8 ft. long. Price £16 per ton.

1028—Set of Poultry Fountains, No. 1, No. 2, and No 3. Price 10s. 6d., 14s. 6d., 18s. 6d. each.

1029—Model Roof, covered with Felt.

1030—Model Roof, covered with Corrugated Iron.

Stand No. 54.—*Henry Harbord, 3 and 4, Freeschool Street, London, S.E.*

Article 1031—Double Endless Leather Bands of Best English-Tanned Leather; Length 60 ft. by 5 in.; manufactured by the Exhibitor. Price £12 each.

1032—Double Endless Leather Bands of Best English-Tanned Leather; Length, 65 ft. by 5 in.; manufactured by the Exhibitor. Price £13.

1033—Stout Single Endless Driving Bands, of Best English-Tanned Leather; length, 60 ft. by 5 in.; manufactured by the Exhibitor. Price £7.

1034—Stout Single Endless Driving Bands, of Best English-Tanned Leather; length, 65 ft. by 5 in.; manufactured by the Exhibitor. Price £7 12s. each.

1035—Coils of Best Single English-Tanned Leather-Belting, 1 in. and 1½ in. Wide; manufactured by the Exhibitor. Price 4d. per foot.

1036—Coils of Best Single English-Tanned Leather-Belting, 2 in. Wide; manufactured by the Exhibitor. Price 9d. per foot.

1037—Coils of Best Single English-Tanned Leather Belting, 2½ in. Wide; manufactured by the Exhibitor. Price 1s. per foot.

1038—Coils of Best Single English-Tanned Leather-Belting, 3 in. Wide; manufactured by the Exhibitor. Price 1s. 3d. per foot.

1039—Coils of Best Single English-Tanned Leather-Belting, 3½ in. Wide; manufactured by the Exhibitor. Price 1s. 6d. per foot.

1040—Coil of Best English-Tanned Leather-Belting, 4 in. Wide; manufactured by the Exhibitor. Price 1s. 10d. per foot.

1041—Coil of Best Double English-Tanned Leather-Band, 5 in. Wide; manufactured by the Exhibitor. Price 4s. 6d. per foot.

1042—Coil of Best Double English-Tanned Leather Band, 6 in. Wide; manufactured by the Exhibitor. Price 5s. 3d. per foot.

1043—Collection of Patent Leather Lashing Laces, 2 ft. to 6 ft. Long; manufactured by the Exhibitor. Price 9s. to 78s. per gross.

1044—Strap Butts Best English-Tanned Leather; manufactured by the Exhibitor. Price 2s. 4d. and 2s. 6d. per lb.

1045—Coils of English-Tanned Leather Belting; manufactured by the Exhibitor. Price 2s. 4d. to 2s. 6d. per lb.

1046—Coils of Buffalo Hide-Rope Driving-Bands; manufactured by the Exhibitor. Price 2s. 6d. per lb.

1047—Collection of Hydraulic Ram Leather, 9 in., 10 in., and 11 in. Price 10s. 6d., 11s. 6d., and 12s. 6d.

1048—Boxes of Green's Patent Belt-Fasteners; manufactured by Chase and Co. Price 3s. to 10s. per 100.

1049—Samples of Gut-Bands; manufactured for the Exhibitor. Price 5d. to 2s. per foot.

1050—Samples of Hooks and Eyes, Strap-Screws, India-Rubber Piping, &c.

Stand No. 55.—T. J. Poupard, of 174, Tooley Street, London Bridge, S.E.

Article 1051—Assortment of Waterproof *Imoin* Covers; manufactured by the Exhibitor. Price from 7s. 6d. to 12s. 6d.

1052—Assortment of Woollen Horse Cloths; manufactured by the Exhibitor. Price from 8s. 6d. to 15s. 6d.

1053—Improved Dressed Waterproof Waggon Cover, 21 Ft. by 12 Ft. (Black); manufactured by the Exhibitor. Price £3 12s. 6d. Marked with name and address complete.

1054—Improved Dressed Waggon Cover, 16 Ft. by 9 Ft. (Black); manufactured by the Exhibitor. Price £2. Marked with name and address complete.

1055—Improved Dressed Waggon Cover, 15 Ft. by 8 Ft. (Black); manufactured by the Exhibitor. Price £1 13s. 6d. Marked with name and address complete.

1056—Improved Bronzed Dressed Waggon Cover, 16 Ft. by 9 Ft.; manufactured by the Exhibitor. Price £2 6s. Very pliable, will not crack or peel, and is altogether more durable than the ordinary black or yellow dressing.

1057—Improved Bronzed Dressed Waggon Cover, 15 Ft. by 8 Ft.; manufactured by the Exhibitor. Price £1 18s. Very durable, will not crack or peel, and is altogether more durable than the ordinary black or yellow dressing.

1058—Best White Navy Canvas Load Cloth, 21 Ft. by 12 Ft.; manufactured by the Exhibitor. Price £3 10s. With ropes, and marked with name and address complete.

1059—Best White Navy Canvas Load Cloth, 12 Ft. by 8 Ft.; manufactured by the Exhibitor. Price £1 6s. 6d. With ropes, and marked with name and address complete.

1060—Model Rick Cloth to Cover 30 Load of Hay; manufactured by the Exhibitor. Price £12. Without poles and tackle.

1061—Pair of Waggon Ropes, 30 Yards in Length; manufactured by the Exhibitor. Price 7s. 6d.

1062—Pair of Plough Lines, with Billets and Buckler; manufactured by the Exhibitor. Price 4s.

1063—Assortment of Oern Sacks (4 Bushels); manufactured by the Exhibitor. Price from 8d. to 2s. 6d. As the prices of sacking are always fluctuating, special quotations are given with these goods. Marking 1d. extra.

1064—Assortment of 5-Bushel Sacks; manufactured by the Exhibitor. Price from 1s. 3½d. to 2s. 3d.

1065—Assortment of Nose Bags; manufactured by the Exhibitor. Price from 2s. to 5s. 6d.

1066—Woollen Body Roller; manufactured by the Exhibitor. Price 10s. 6d.

1067—Jute Body Roller; manufactured by the Exhibitor. Price 5s. 6d.

1068—Sack Barrow; manufactured by the Exhibitor. Price 14s. 6d.

1069—Collection of Stretched Leather Machine Bands, from 1 in. to 5 in. Wide; manufactured by the Exhibitor. Prices from 3d. to 4s. 2d. per ft.

1070—Sample of Cart Grease; manufactured by the Exhibitor. Price 15s. per cwt.

1071—1 Dozen Halters; manufactured by the Exhibitor. Price 8s. 8d. per dozen.

1072—1 Dozen Halter Reins; manufactured by the Exhibitor. Price 4s. 6d. per dozen.

1073—1 Dozen Bridle Leads; manufactured by the Exhibitor. Price 3s. 6d. per dozen.

1074—Coil of Jute Sack Tyers; manufactured by the Exhibitor. Price £1 1s. per cwt.

1075—Sample of Cotton Waste; manufactured by the Exhibitor. Price £1 6s. per cwt.

1076—Improved Bronzed Dressed Thrashing Machine Cloth, 20 Ft. by 12 Ft.; manufactured by the Exhibitor. Price £4 10s. The above cloth is made of the best navy boiled canvas, and being dressed with the improved bronze dressing renders it soft and pliable, notwithstanding the stoutness of the cloth.

1077—Improved Black Dressed Thrashing Machine Cover, 21 Ft. by 12 Ft.; manufactured by the Exhibitor. Price £3 12s. 6d. Ropes, and marked with name and address complete.

1078—Set of Thill Harness Brass Mounts; manufactured by the Exhibitor. Price £6 10s.

1079—Collection of Headstalls; manufactured by the Exhibitor. Prices from 8s. 6d. to 10s. 6d.

1080—Set of Farmers' Light Cart Harness, Brass Mounts; manufactured by the Exhibitor. Price £7 10s.

1081—Collection of Sacking Horse Cloths for Farm Horses; manufactured by the Exhibitor. Price from 8s. to 18s. 6d.

1082—Collection of Stable Tools; manufactured by the Exhibitor. Prices from 6d. to 5s. 6d. each.

1083—Weighing Machine for Agricultural Purposes; manufactured by the Exhibitor. Price £2 10s.

1084—Imperial or Bob-up Weighing Machine for Agricultural Purposes; manufactured by the Exhibitor. Price £5 15s.

1085—Scoop Machine for Agricultural Purposes; manufactured by the Exhibitor. Price £2 6s.

1086—Corn Shovel; manufactured by the Exhibitor. Price 4s. 6d.

1087—Potato Machine; manufactured by the Exhibitor. Price £3 12s.

Stand No. 56.—*Staynes and Sons, of 60 and 62, High Street, Leicester.*

Article 1088—Collection of Rolls of 1-In., 2-In., 3-In., and 4-In. Single Leather Machine Banding; manufactured by the Exhibitors. Price from 3d. to 1s. 5d. per foot.

1089—Collection of Rolls of 5-In., 6-In., 7-In., and 8-In. Single Leather Belting; manufactured by the Exhibitors. Price from 1s. 11d. to 3s. 6d. per foot.

1090—Collection of Rolls of 1-In., 2-In., 3-In. and 4-In. Cemented Leather Machine Banding; manufactured by the Exhibitors. Price from 3½d. to 1s. 5d. per foot.

1091—Collection of Rolls of 60 Ft. by 5 In. Single Endless Leather Driving Bands; manufactured by the Exhibitors. Price £6 5s.

1092—Collection of Rolls of 5-In. Double Leather Machine Driving Bands; manufactured by the Exhibitors. Price 4s. 1d. per foot.

1093—Collection of Rolls of 6-In. Double Leather Machine Driving Bands; manufactured by the Exhibitors. Price 5s. per foot.

1094—50-Ft. Length of 12-In. Double Leather Machine Driving Bands; manufactured by the Exhibitors. Price 11s. per foot.

1095—Collection of Lengths of Nos. 2, 3, and 4, Round Leather Cord; manufactured by the Exhibitors. Price 5s. per lb.

1096—Collection of Thin White Leather Laces; manufactured by the Exhibitors. Price from 3s. 9d. to 8s. per gross.

1097—Collection of Medium White Leather Laces; manufactured by the Exhibitors. Price from 5s. 4d. to 10s. 9d. per gross.

1098—Collection of Strong White Leather Laces; manufactured by the Exhibitors. Price 2s. 4d. per lb.

1099—Collection of Leather Fire Buckets; manufactured by the Exhibitors. Price 12s. each.

1100—Collection of English Strap Butts; manufactured by the Exhibitors. Price 2s. 4d. to 2s. 6d. per lb.

1101—Gutta Percha Endless Driving Band, 60 Ft. by 5 In., by ½ In. Thick; manufactured for the Exhibitors. Price 6s. per lb.

1102—Collection of India-Rubber Endless Driving Bands, 60 Ft. by 5 In. by ¼-In. Ply; manufactured for the Exhibitors. Price 2s. 8½d. per foot.

1103—Collection of White Leather Hedge Mittens; manufactured by the Exhibitors. Price from 3s. 6d. to 4s. per pair.

1104—Collection of Brown Leather Hedge Mittens; manufactured by the Exhibitors. Price from 4s. to 4s. 6d. per pair.

1105—Collection of Twist Leather Belting; manufactured by the Exhibitors. Price from 6d. to 9d. per foot.

1106—Collection of Belt Screws (Improved); manufactured by the Exhibitors. Price from 2s. 6d. to 3s. per doz.

Stand No. 57.—*S. E. Norris and Co., of Shadwell, London.*

Article 1107—24-in. Double Leather Main Driving Band; manufactured by the Exhibitors. Price £1 5s. per foot.

1108—Double Leather Endless Driving Bands, Sewn with Copper Wire, size 60 Ft. by 5 In. Wide; manufactured by the Exhibitors. Price £13 10s. each.

1109—Double Leather Endless Driving Bands, Sewn with Copper Wire, size 65 Ft. by 5 In. Wide; manufactured by the Exhibitors. Price £14 12s. each.

1110—Double Leather Endless Driving Bands, Sewn with Hemp or Laces, size 60 Ft. by 5 In. Wide; manufactured by the Exhibitors. Price £13 10s. each.

1111—Double Leather Endless Driving Bands, Sewn with Copper Wire, size 60 Ft. by 4½ In. Wide; manufactured by the Exhibitors. Price £12 5s. each.

1112—Single Leather Endless Driving Bands, Size 60 Ft. by 5 In. Wide; manufactured by the Exhibitors. Price £7 5s. each.

1113—Single Leather Endless Driving Bands, Size 65 Ft. by 5 In. Wide; manufactured by the Exhibitors. Price £7 17s. each.

1114—Single Leather Endless Driving Bands, Size 60 Ft. by 4½ In. Wide; manufactured by the Exhibitors. Price £6 5s. each.

1115—Single Leather Machine Belting, in Small Coils; manufactured by the Exhibitors. Price from 4d. to 1s. 3¼d. per ft.

1116—Single Leather Machine Belting, in Coils; manufactured by the Exhibitors. Price from 2s. to 2s. 8d. per lb.

1117—Strap or Millband Butts; manufactured by the Exhibitors. Price from 2s. to 2s. 6d. per lb.

1118—“*Helvetia*” Leather Lashing Laces; the Strongest and Best Lace made; manufactured and invented by the Exhibitors. Price from 9s. to 78s. per gross.

1119—“*Helvetia*” Leather Machine Belting, 30 per cent. Stronger than the Ordinary Belting; manufactured and invented by the Exhibitors. Price from 4d. to 1s. 3¼d. per foot.

1120—Agricultural Water-Cart Suction Hose, made of Leather, and bound with Copper Wire; manufactured by the Exhibitors. Price 3s. 8d. per foot.

Stand No. 58.—*W. Tasker and Sons, of Waterloo Iron Works, Andover, Hants.*

Article 1121—8-Horse Power Traction Engine, fitted with Two Speeds; manufactured by the Exhibitors. Price £400. Easily managed, strongly made, compact, and durable. Rope-winding drum, £10 extra.

1122—54-In. Double-Blast Thrashing Machine, Fitted with Chaff Cleaning and Bagging Apparatus; manufactured by the Exhibitors. Price £130. Fitted with safety-drum guard (to which was awarded a prize of £10 by the R. A. S. E.), free. Chaff cleaning and bagging apparatus, extra £5. If fitted with self feeder and sheaf-band cutter, extra £20.

1123—Safety-Drum Guard; manufactured by the Exhibitors. Price £3 3s. Awarded a prize of £10 at the great trials of the R. A. S. E. Adapted for any thrashing machine. Fitted free on all Exhibitors' new machines.

1124—Patent Combined Stacking Machine, fitted to work with a Machine at any angle; manufactured by the Exhibitors. Price £44. Awarded the Special First and only Prize of £25 at the great trials of the R. A. S. E. Fitted to work at angles, extra £2.

1125—Portable 1-Horse Gear to work the Stacker in Haytime and Harvest; manufactured by the Exhibitors. Price £8.

1126—8-Horse Power Portable Engine; manufactured by the Exhibitors. Price £210. Fitted with jacketed cylinder, variable expansion and reversing eccentric, feed-water heater, &c.

1127—54-In. Combined Finishing Thrashing Machine, with Rotary Screen; manufactured by the Exhibitors. Price £140. Fitted with R. A. S. E. Prize drum-guard, free. Chaff cleaning and bagging apparatus, extra £5.

1128—Patent Combined Stacking Machine, fitted to work with a Machine Straight; manufactured by the Exhibitors. Price £44. Equally adapted for haytime, harvest, and thrashing machines. If fitted to deliver to a perpendicular height of 30 ft., extra £3 10s. Extra for horse gear, £8.

1129—6-Horse Power Portable Engine; manufactured by the Exhibitors. Price £180. Fitted similar to Article No. 1126. All boilers for W. T. & Son's engines are tested by hydraulic power to double their working pressure.

1130—42-In. Double-Blast Machine, adapted for a Hilly Country; manufactured by the Exhibitors. Price £110. Fitted with R. A. S. E. Prize drum-guard, free. Chaff cleaning and bagging apparatus, extra £5.

1131—Improved "Hayes" Pattern Straw Elevator; manufactured by the Exhibitors. Price £49. The arrangement for lifting is similar to that in Exhibitors' special first and only R. A. S. E. prize combined stackers.

1132—R. A. S. E. First Prize Winnowing Machine; manufactured by the Exhibitors. Price £9 10s. Size No. 1, with full set of riddles, 18 in. by 16 in.

1133—R. A. S. E. First Prize Winnowing Machine; manufactured by the Exhibitors. Price £11. Size No. 2 A, with full set of riddles, 18 in. by 20 in.

1134—Improved Winnowing Machine, with Extra Large Vibrating Screen; manufactured by the Exhibitors. Price £12 10s. Size No. 5, with full set of riddles, 18 in. by 22 in., screening surface (extra to riddles) 4 ft. 10 in. long. If fitted with Boby's screen, £2 10s. extra.

1135—Simple Leverage Steel-Tooth Horse Rake, marked T; manufactured by the Exhibitors. Price £9. Extreme width 9 ft. Wheels 36 in. diameter.

1136—Simple Leverage Steel-Tooth Horse Rake, with Large Teeth, marked T 3; manufactured by the Exhibitors. Price £10. Extreme width 8 ft. Wheels 3 ft. 6 in. diameter. Driver's seat, and hand and foot leverage for emptying the load either when riding or walking, 15s. extra.

1137—Simple Leverage Steel-Tooth Horse Rake, with Extra Large Teeth, marked T 4; manufactured by the Exhibitors. Price £11 5s. Extreme width 8 ft. Wheels 4 ft. diameter. Driver's seat, with hand and foot leverage for emptying the load either when riding or walking, 15s. extra.

1138—15-Coulter Corn Drill; manufactured by the Exhibitors. Price £30. Width between carriage wheels, 8 ft. 1½ in. Extra, if fitted with fore-carriage steerage, £4 10s.

1139—Compost Drill, with Turnip Box; manufactured by the Exhibitors. Price £27 10s. Width between carriage wheels, 8 ft. 1½ in. Extras, fore-carriage steerage, £4 10s.; mangold barrel, £1 10s.

1140—Strong Farm Cart; manufactured by the Exhibitors. Price £15. Head and tail ladders, £1 10s. extra.

1141—9-Tine Scarifier, with Side Levers; manufactured by the Exhibitors. Price £12. The tines are arranged in 3 rows. Width of cut, 5 ft. 10 in.

1142—Old Pattern 9-Tine Scarifier; manufactured by the Exhibitors. Price £8 10s. The tines are arranged in 2 rows. If fitted with steel toes, £2 10s. extra.

Stand No. 59.—*Albion Iron Works Company, of Rugeley, Staffordshire.*

Article 1143—Chaff Cutter, No. 1 A; manufactured by the Exhibitors. Price £2 2s.

1144—Chaff Cutter, No. 1 A X; manufactured by the Exhibitors. Price £2 7s.

1145—Chaff Cutter, No. 2 A, with Rising Mouthpiece; manufactured by the Exhibitors. Price £2 7s. 6d.

1146—Chaff Cutter, No. 2 A X, with Rising Mouthpiece; manufactured by the Exhibitors. Price £2 12s. 6d.

1147—Chaff Cutter, No. 1 A T, with Treadle; manufactured by the Exhibitors. Price £2 10s. The treadle enables the feeder to cut hay and feed at the same time.

1148—Chaff Cutter, No. 1 A T X; with Treadle; manufactured by the Exhibitors. Price £2 15s.

1149—(*New Implement.*)—Patent Chaff Cutter, No. 1 B; manufactured by the Exhibitors. Price £2 17s. 6d. Has a rising mouthpiece, cuts two lengths, and a stop motion.

1150—(*New Implement.*)—Patent Chaff Cutter, No. 2 B; manufactured by the Exhibitors. Price £3 5s. Has a rising mouthpiece, cuts two lengths, and a stop motion.

1151—(*New Implement.*)—Patent Chaff Cutter, No. 1 B T; manufactured by the Exhibitors. Price £3 5s. With a treadle. Has a rising mouthpiece, cuts two lengths, and a stop motion.

1152—(*New Implement.*)—Patent Chaff Cutter, No. 2 B T; manufactured by the Exhibitors. Price £3 12s. 6d. With a treadle. Has a rising mouthpiece, cuts two lengths, and a stop motion.

1153—Patent Chaff Cutter, No. D 3; manufactured by the Exhibitors. Price £3 15s.

1154—Patent Chaff Cutter, No. D 3 X; manufactured by the Exhibitors. Price £4.

1155—(*New Implement.*)—Patent Chaff Cutter, D 4; manufactured by the Exhibitors. Price £3 17s. 6d.

1156—(*New Implement.*)—Patent Chaff Cutter, D 4 X; manufactured by the Exhibitors. Price £4 2s. 6d.

1157—Patent Chaff Cutter, H A; manufactured by the Exhibitors. Price £5 5s.

1158—Patent Chaff Cutter, H E; manufactured by the Exhibitors. Price £5 15s.

1159—Patent Chaff Cutter, S E; manufactured by the Exhibitors. Price £7 2s. 6d.

1160—Patent Chaff Cutter, S I; manufactured by the Exhibitors. Price £7 12s. 6d.

1161—Patent Chaff Cutter, S I X; manufactured by the Exhibitors. Price £8 12s. 6d. Has the registered self-feeding travelling chain.

1162—Patent Chaff Cutter, S H; manufactured by the Exhibitors. Price £10 5s.

1163—Patent Chaff Cutter, S H X; manufactured by the Exhibitors. Price £11 10s. Has the registered self-feeding travelling chain.

1164—Patent Chaff Cutter, S H A ; manufactured by the Exhibitors. Price £14 10s.

1165—Patent Chaff Cutter, S H A X ; manufactured by the Exhibitors. Price £17 10s. Has the registered self-feeding travelling chain.

1166—British Grist Mill, for Horse Power, marked B M ; manufactured by the Exhibitors. Price £12 10s. Will grind, kibble, or crush grain to any required sample.

1167—British Grist Mill, for Horse Power, marked B M X ; manufactured by the Exhibitors. Price £13.

1168—British Grist Mill, marked B M P, for Steam Power; manufactured by the Exhibitors. Price £13 10s.

1169—British Grist Mill, marked B M A, for Steam Power, manufactured by the Exhibitors. Price £15.

1170—British Grist Mill, marked B M A X ; manufactured by the Exhibitors. Price £15 12s.

1171—(*New Implement.*)—British Grist Mill, marked B M E ; manufactured by the Exhibitors. Price £20.

1172—(*New Implement.*)—British Grist Mill, marked B M O ; manufactured by the Exhibitors. Price £28.

1173—National Grist Mill, for 1-Horse Power, marked I E ; manufactured by the Exhibitors. Price £7 10s.

1174—National Grist Mill, marked I E X ; manufactured by the Exhibitors. Price £7 18s.

1175—National Grist Mill, for Hand Power, marked I B ; manufactured by the Exhibitors. Price £5 5s.

1176—Improved Steel Corn Crusher, for Hand Power, S K ; manufactured by the Exhibitors. Price £4 15s.

1177—Patent Oilcake Mill, C O ; manufactured by the Exhibitors. Price £2 17s. 6d. Breaks eight different sizes ; a strong and cheap machine.

1178—Patent Oilcake Mill, C O X ; manufactured by the Exhibitors. Price £3. The cog-wheels are covered, to prevent accident.

1179—Patent Oilcake Mill, C A ; manufactured by the Exhibitors. Price £3 3s.

1180—Patent Cotton-cake Mill, C X A ; manufactured by the Exhibitors. Price £3 3s.

1181—Patent Oilcake Mill, C I ; manufactured by the Exhibitors. Price £3 7s. 6d.

1182—Patent Oilcake Mill, C E, for Power ; manufactured by the Exhibitors. Price £4 4s.

1183—Improved Disc Root Pulper, D, for Hand Power ; manufactured by the Exhibitors. Price £2 15s.

1184—Improved Disc Root Slicer, D A ; manufactured by the Exhibitors. Price £2 17s. 6d.

1185—Improved Disc Root Pulper, D P ; manufactured by the Exhibitors. Price £3.

1186—Improved Disc Root Slicer, D S ; manufactured by the Exhibitors. Price £3 2s. 6d.

1187—Improved Disc Root Pulper, D P O ; manufactured by the Exhibitors. Price £3 3s.

1188—Improved Disc Root Slicer, D S O; manufactured by the Exhibitors. Price £3 5s.

1189—Improved Double-Action Root Stripper and Slicer, D S S; manufactured by the Exhibitors. Price £3 15s.

1190—Improved Disc Root Pulper, H P; manufactured by the Exhibitors. Price £3 17s. 6d.

1191—Improved Disc Root Slicer, H S; manufactured by the Exhibitors. Price £4.

1192—Improved Disc Root Slicer and Stripper, H S S; manufactured by the Exhibitors. Price £4 7s. 6d.

1193—Improved Double-Action Root Pulper and Slicer, D S A; manufactured by the Exhibitors. Price £5 5s.

1194—Improved Double-Action Disc Root Pulper and Stripper, D S E; manufactured by the Exhibitors. Price £5 12s. 6d.

1195—Improved Double-Action Root Pulper and Slicer, H D A; manufactured by the Exhibitors. Price £6 5s.

1196—Improved Double-Action Root Pulper and Stripper, H D E; manufactured by the Exhibitors. Price £6 12s. 6d.

1197—Improved Treble-Action Root Pulper, Stripper, and Slicer, H T A; manufactured by the Exhibitors. Price £7 10s.

1198—Gardner's Root Cutter, Single-Action; manufactured by the Exhibitors. Price £4 10s.

1199—Gardner's Root Cutter, Double-Action; manufactured by the Exhibitors. Price £5 10s.

1200—Gardner's Root Cutter, Single-Action, mounted on Wheels with Handles; manufactured by the Exhibitors. Price £5.

1201—Gardner's Root Cutter, Double-Action, Mounted on Wheels with Handles; manufactured by the Exhibitors. Price £6.

1202—Double Chamber or Cheddar Cheese Press, No. 20 D, First Prize R. A. S. E., 1870; manufactured by the Exhibitors. Price £5 5s.

1203—Double Chamber or Cheddar Cheese Press, No. 22 D, First Prize R. A. S. E., 1870; manufactured by the Exhibitors. Price £5 15s.

1204—Double Chamber or Cheddar Cheese Press, No. 24 D, First Prize R. A. S. E., 1870; manufactured by the Exhibitors. Price £6.

1205—Single Chamber Cheese Press, No. 18 C; manufactured by the Exhibitors. Price £2 17s. 6d.

1206—Single Chamber Cheese Press, No. 20 C; manufactured by the Exhibitors. Price £3 5s.

1207—Single Chamber Cheese Press, No. 22 C; manufactured by the Exhibitors. Price £3 10s.

1208—Single Chamber Cheese Press, No. 24 C; manufactured by the Exhibitors. Price £3 17s. 6d.

1209—Cheese Stool, 22-In. Diameter, on Wood Legs; manufactured by the Exhibitors. Price 12s.

1210—Cheese Stool, 22-In. Diameter, on Iron Legs and Rollers; manufactured by the Exhibitors. Price 15s.

1211—Curd Mill, No. 1, First Prize R. A. S. E., 1870; manufactured by the Exhibitors. Price £1 17s. 6d.

1212—Curd Mill, No. 2, First Prize R. A. S. E., 1870; manufactured by the Exhibitors. Price £2 2s. 6d.

1213—Curd Mill, No. 3; manufactured by the Exhibitors. Price £1 12s. 6d.

1214—Curd Mill, No. 4; manufactured by the Exhibitors. Price £2 5s.

1215—Improved Iron Plough, s 4; manufactured by the Exhibitors. Price £4 15s.

1216—Patent Revolving Mould Board Plough, R M B, R. A. S. E. Prize Medal, 1871, and R. A. S. E. First Prize, 1873; manufactured by the Exhibitors. Price £5.

1217—Patent Ridging Plough, R s 3, Highly Commended, R. A. S. E., 1870; manufactured by the Exhibitors. Price £3 12s. 6d.

1218—Wrought-Iron Grubber, 3 Tines; manufactured by the Exhibitors. Price £3 5s.

1219—Wrought-Iron Lever Cultivator, Scarifier, or Broadshare, No. 1, 5 Steele Tines; manufactured by the Exhibitors. Price £8.

1220—Wrought-Iron Lever Cultivator, Scarifier, or Broadshare, No. 2, 7 Steele Tines; manufactured by the Exhibitors. Price £9 15s.

1221—Wrought-Iron Horse Hoe, No. 3, with 3 Steele Tines; manufactured by the Exhibitors. Price £2 2s.

1222—Wrought-Iron Horse Hoe, No. 3 X, with 3 Steele Tines, and New Front-Wheel Arrangement; manufactured by the Exhibitors. Price £2 6s.

1223—Patent Wrought-Iron Lever Expanding Horse Hoe, L H; has 3 Steele tines, 2 Steele hoes, and front wheel arrangement; manufactured by the Exhibitors. Price £3 8s.

1224—Registered "Economiser" Combined Sheep Rack and Trough, No. 8, for 24 Sheep; manufactured by the Exhibitors. Price £4.

1225—Improved Wrought-Iron Circular Cattle Crib, manufactured by the Exhibitors. Price £3 10s.

1226—Light 1-Horse Gear, with Intermediate Motion Complete, No. 0 A; manufactured by the Exhibitors. Price £7 12s. 6d.

1227—Improved Strong 1-Horse Gear, with Intermediate Motion and Turned Pulley, No. 1; manufactured by the Exhibitors. Price £12 10s.

1228—Improved 2-Horse Gear, with Intermediate Motion, No. 1 X; manufactured by the Exhibitors. Price £13 10s.

1229—Horse Gear, No. 2, for Two Horses, with Intermediate Motion, fitted with a Self-Acting Safety Lever, Crutch, and Pulley; manufactured by the Exhibitors. Price £17 15s.

1230—(New Implement.)—Patent National Horse Rake, 2 B, with 42-In. Wheels, 24 Steel Teeth, and a Steel Axle; manufactured by the Exhibitors. Price £8 10s.

1231—(New Implement.)—Patent National Horse Rake, 2 B X, with 42-In. Wheels, 24 Steel Teeth, Steel Axle, Driver's Seat, and Double Levers; manufactured by the Exhibitors. Price £9 5s.

1232—(New Implement.)—Patent National Horse Rake, 6 B, with 48-In. Wheels, 24 Steel Teeth, and Steel Axle; manufactured by the Exhibitors. Price £9.

1233—(New Implement.)—Patent National Horse Rake, 6 B X, with 48-In. Wheels, 24 Steel Teeth, Steel Axle, Driver's Seat, and Double Levers; manufactured by the Exhibitors. Price £9 15s.

1234—(*New Implement.*)—Patent National Horse Rake, 7 B, with 48-In. Wheels, 28 Steel Teeth, and Steel Axle; manufactured by the Exhibitors. Price £9 10s.

1235—National Horse Rake, 6 D, with 48-In. Wheels, 24 Steel Teeth, Steel Axle, Driver's Seat, and Double Levers; manufactured by the Exhibitors. Price £10 5s.

1236—National Horse Rake, 7 D, with 48-In. Wheels, 28 Steel Teeth, Steel Axle, Driver's Seat, and Double Levers; manufactured by the Exhibitors. Price £10 15s.

1237—National Horse Rake, 2 D, with 42-In. Wheels, 24 Steel Teeth, and Steel Axle; manufactured by the Exhibitors. Price £9.

1238—Patent Self-Acting National Horse Rake, 3 A, with 42-In. Wheels, 28 Steel Teeth, and Steel Axle; manufactured by the Exhibitors. Price £11.

1239—Patent Self-Acting National Horse Rake, 6 A, with 48-In. Wheels, 24 Steel Teeth, and Steel Axle; manufactured by the Exhibitors. Price £11 5s.

1240—Patent Self-Acting National Horse Rake, 7 A, with 48-In. Wheels, 28 Steel Teeth, and Steel Axle; manufactured by the Exhibitors. Price £11 15s.

1241—(*New Implement.*)—Patent Self-Acting Horse Rake, 4 E, with 54-In. Wheels, 28 Steel Teeth, and Steel Axle; manufactured by the Exhibitors. Price £14.

1242—Wrought-Iron Sack Truck, No. 1; manufactured by the Exhibitors. Price 10s. 6d.

1243—Wrought-Iron Sack Truck, No. 3; manufactured by the Exhibitors. Price 14s.

1244—Wrought-Iron Sack Truck, No. 5; manufactured by the Exhibitors. Price £1 1s.

1245—Wrought-Iron Sack Truck, with India-rubber Tires, No. 3 x; manufactured by the Exhibitors. Price £1.

1246—Strong Wood Sack Truck, No. 2 A; manufactured by the Exhibitors. Price 12s. 6d.

1247—Cart or Carriage Jack, No. 1; manufactured by the Exhibitors. Price 12s. 6d.

1248—Cart or Carriage Jack, No. 2; manufactured by the Exhibitors. Price 15s.

1249—Cart or Carriage Jack, No. 3; manufactured by the Exhibitors. Price 16s. 6d.

1250—Double Norfolk Pig Trough, No. 3, for 12 Pigs; manufactured by the Exhibitors. Price 9s. 6d.

1251—Double Norfolk Pig Trough, No. 4, for 14 Pigs; manufactured by the Exhibitors. Price 12s.

1252—Double Norfolk Pig Trough, No. 5, for 16 Pigs; manufactured by the Exhibitors. Price 13s. 6d.

1253—Improved Potato or Root Masher, No. 1; manufactured by the Exhibitors. Price £2 7s. 6d.

1254—Hog Trough, with Wrought-Iron Cross Bars, 8-In. Wide, from 2 Ft. to 5 Ft. long; manufactured by the Exhibitors. Price, 2 ft., 3s. 6d. each.

1255—Hog Trough, with Iron Cross Bars, 10 In. Wide, from 2 Ft. to 5 Ft. long; manufactured by the Exhibitors. Price, 2 ft., 4s. 6d. each.

1256—Hog Trough, with Circular Ends and Bottoms, and Iron Cross Bars, 12 In. Wide, from 2 Ft. to 6 Ft. long; manufactured by the Exhibitors. Price, 2 ft., 5s. 6d. each.

1257—Circular Pig Trough, 24 In. Diameter, with 6 Divisions; manufactured by the Exhibitors. Price 12s.

1258—Circular Pig Trough, 30 In. Diameter, with 8 Divisions; manufactured by the Exhibitors. Price 18s. 6d.

1259—Circular Pig Trough, 34 In. Diameter, with 11 Divisions; manufactured by the Exhibitors. Price £1 1s.

1260—Patent 8-Horse Power Portable Engine, with Lock-up Second Safety Valve, a Patent Steam Pressure Gauge, and Steam Whistle; manufactured by R. Hornsby and Sons, of Grantham. Price £210.

Stand No. 60.—*Alexander Shanks and Son, of the Dens Iron Works, Arbroath; and 27, Leadenhall Street, London, E.C.*

Article 1261—2-Horse Power Vertical Engine and Boiler Combined; manufactured by the Exhibitors. Price £70.

1262—3-Horse Power Vertical Engine and Boiler Combined; manufactured by the Exhibitors. Price £80.

1263—4-Horse Power Vertical Engine and Boiler Combined; manufactured by the Exhibitors. Price £90.

1264—5-Horse Power Vertical Engine and Boiler Combined; manufactured by the Exhibitors. Price £100.

1265—6-Horse Power Vertical Engine and Boiler Combined; manufactured by the Exhibitors. Price £110.

1266—8-Horse Power Vertical Engine and Boiler Combined; manufactured by the Exhibitors. Price £150.

1267—10-Horse Power Vertical Engine and Boiler Combined; manufactured by the Exhibitors. Price £175.

1268—12-Horse Power Vertical Engine and Boiler Combined; fitted with Shanks' Patent Automatic Variable Expansion Gear; manufactured by the Exhibitors. Price £215.

1269—4-Horse Power Horizontal Engine, the "Caledonian," manufactured by the Exhibitors. Price £35.

1270—6-Horse Power Horizontal Engine, the "Caledonian," manufactured by the Exhibitors. Price £45.

1271—8-Horse Power Horizontal Engine, the "Caledonian," manufactured by the Exhibitors. Price £60.

1272—10-Horse Power Horizontal Engine, the "Caledonian," manufactured by the Exhibitors. Price £70.

1273—12-Horse Power Horizontal Engine, the "Caledonian," manufactured by the Exhibitors. Price £88.

1274—16-Horse Power Horizontal Engine, the "Caledonian," fitted with Shanks' Patent Automatic Variable Expansion Gear; manufactured by the Exhibitors. Price £135.

1275—20-Horse Power Horizontal Engine, the "Caledonian," fitted with Shanks' Patent Automatic Variable Expansion Gear and Condenser; manufactured by the Exhibitors. Price £215.

1276—(*New Implement.*)—3-Ton Shanks' Patent Portable Steam Crane, with Jib-Elevating and Travelling Gear, both by Steam; manufactured by the Exhibitors. Price £325.

1277—5-Horse Power Vertical Engine and Boiler Combined, Boiler Lagged with Felt; manufactured by the Exhibitors. Price £121 10s.

1278—(*New Implement.*)—No. 1 Shanks' Patent "Equilibrium" Steam-Engine Governor; manufactured by the Exhibitors. Price £3 10s.

1279—(*New Implement.*)—No. 2 Shanks' Patent "Equilibrium" Steam-Engine Governor; manufactured by the Exhibitors. Price £4 10s.

1280—(*New Implement.*)—No. 3 Shanks' Patent "Equilibrium" Steam-Engine Governor; manufactured by the Exhibitors. Price £6 10s.

1281—(*New Implement.*)—No. 4 Shanks' Patent "Equilibrium" Steam-Engine Governor; manufactured by the Exhibitors. Price £9 10s.

1282—(*New Implement.*)—No. 5 Shanks' Patent "Equilibrium" Steam-Engine Governor; manufactured by the Exhibitors. Price £12 10s.

1283—6-In. Shanks' Patent Lawn Mower, manufactured by the Exhibitors. Price £1 5s.

1284—7-In. Shanks' Patent Lawn Mower; manufactured by the Exhibitors. Price £1 15s.

1285—8-In. Shanks' Patent Lawn Mower; manufactured by the Exhibitors. Price £2 10s.

1286—10-In. Shank's Patent Lawn Mower; manufactured by the Exhibitors. Price £3 10s.

1287—12-In. Shanks' Patent Lawn Mower; manufactured by the Exhibitors. Price £4 10s.

1288—14-In. Shanks' Patent Lawn Mower; manufactured by the Exhibitors. Price £5 10s.

1289—16-In. Shanks' Patent Lawn Mower; manufactured by the Exhibitors. Price £6 10s.

1290—19-In. Shanks' Patent Lawn Mower; manufactured by the Exhibitors. Price £8.

1291—22-In. Shanks' Patent Lawn Mower; manufactured by the Exhibitors. £8 10s.

1292—24-In. Shanks' Patent Lawn Mower; manufactured by the Exhibitors. Price £9.

1293—25-In. Shanks' Patent Lawn Mower, fitted with Patent Delivery Apparatus, and suitable for a Pony; manufactured by the Exhibitors. Price £14 15s.

1294—28-In. Shanks' Patent Lawn Mower, suitable for a Pony; manufactured by the Exhibitors. Price £15 15s.

1295—30-In. Shanks' Patent Lawn Mower, fitted with Patent Delivery Apparatus, and Suitable for a Pony; manufactured by the Exhibitors. Price £18 10s.

1296—30-In. Shanks' Patent Lawn Mower, fitted with Patent Delivery Apparatus, and Suitable for a Horse; manufactured by the Exhibitors. Price £22.

1297—36-In. Shanks' Patent Lawn Mower, fitted with Patent Delivery Apparatus, and Suitable for a Horse; manufactured by the Exhibitors. Price £26.

1298—42-In. Shanks' Patent Lawn Mower, fitted with Patent Delivery Apparatus, and Suitable for a Horse; manufactured by the Exhibitors. Price £30.

Stand No. 61.—*The Panklibanon Ironmongery Co.,
of 56, Baker Street, London.*

Article 1299—Rustic Garden-Seat, with Elbow-Tables; manufactured by the Exhibitors. Price £2 10s.

1300—Rustic Tête-à-Tête Seat, with Table; manufactured by the Exhibitors. Price £2 10s.

1301—Rustic Garden-Seat, Diamond Pattern; manufactured by the Exhibitors. Price £1 15s.

1302—Rustic Garden-Seat, Cane Back; manufactured by the Exhibitors. Price £1 15s.

1303—Rustic Garden-Seat, Yew-Tree; manufactured by the Exhibitors. Price £1 15s.

1304—Rustic Tête-à-Tête Seat for Children; manufactured by the Exhibitors. Price £1 7s. 6d.

1305—Rustic Garden-Table, Cane Top, Octagon; manufactured by the Exhibitors. Price £1 5s.

1306—Rustic Garden-Table, Plain Wood Top, Octagon; manufactured by the Exhibitors. Price 15s.

1307—Rustic Garden-Table, Yew-Tree Edges, Octagon; manufactured by the Exhibitors. Price 17s. 6d.

1308—Rustic Garden-Table, Plain Wood Top, Round; manufactured by the Exhibitors. Price 12s. 6d.

1309—Rustic Garden-Table, Plain Wood Top, Oval; manufactured by the Exhibitors. Price £1 12s. 6d.

1310—Rustic Garden-Table, Cane Top, Octagon, Small Size; manufactured by the Exhibitors. Price 9s. 6d.

1311—Rustic Garden-Table, Cane Top, Round; manufactured by the Exhibitors. Price £1 1s.

1312—Rustic Arm-Chair, Yew-Tree; manufactured by the Exhibitors. Price 19s. 6d.

1313—Rustic Arm-Chair, Half-Round Back; manufactured by the Exhibitors. Price 18s. 6d.

1314—Rustic Arm-Chair, Gothic Back; manufactured by the Exhibitors. Price 15s.

1315—Rustic Arm-Chair, Cane-Cased Seat; manufactured by the Exhibitors. Price 16s.

1316—Rustic Arm-Chair, Small Size; manufactured by the Exhibitors. Price 8s. 6d.

1317—Rustic Garden-Chair, Yew-Tree; manufactured by the Exhibitors. Price 14s. 6d.

1318—Rustic Garden-Chair, Gothic Back; manufactured by the Exhibitors. Price 8s. 6d.

1319—Rustic Garden-Chair, Circular Seat; manufactured by the Exhibitors. Price 13s. 6d.

1320—Rustic Garden-Chair, Cane-Cased Seat; manufactured by the Exhibitors. Price 11s. 6d.

1321—Rustic Garden-Chair, Small Size; manufactured by the Exhibitors. Price 6s. 6d.

1322—Rustic Garden-Stool, Octagon, Cane Top; manufactured by the Exhibitors. Price 5s. 6d.

1323—Rustic Garden-Stool, Oval, Plain Wood Top; manufactured by the Exhibitors. Price 4s. 6d.

1324—Rustic Garden-Stool, Oblong, Diamond Cane Top; manufactured by the Exhibitors. Price 5s.

1325—Rustic Garden-Stool, Oblong, Cane Top; manufactured by the Exhibitors. Price 3s. 6d.

1326—Rustic Flower-Stand, Sexagon; manufactured by the Exhibitors. Price £1 5s.

1327—Rustic Flower Stand, Sexagon, Small; manufactured by the Exhibitors. Price £1 2s. 6d.

1328—Rustic Flower-Stand, Oval, Cork Top; manufactured by the Exhibitors. Price £1 2s. 6d.

1329—Rustic Flower-Stand, Oval, Light and Dark Sides; manufactured by the Exhibitors. Price 17s. 6d.

1330—Rustic Flower-Stand, Oval, Vandyke Edging; manufactured by the Exhibitors. Price 16s. 6d.

1331—Rustic Flower-Stand, Oblong; manufactured by the Exhibitors. Price £1 2s. 6d.

1332—Rustic Flower-Stand, Oval, Small Size, for Pots; manufactured by the Exhibitors. Price 12s. 6d.

1333—Rustic Flower-Stand, Quarter Circle, for Corner; manufactured by the Exhibitors. Price 14s.

1334—Rustic Flower-Stand, to hold One Pot; manufactured by the Exhibitors. Price 7s. 6d.

1335—Rustic Flower-Stand, Round, Vandyke Edging; manufactured by the Exhibitors. Price 14s. 6d.

1336—Rustic Flower-Stand, Round, to hold One Pot; manufactured by the Exhibitors. Price 5s. 6d.

1337—Rustic Flower-Stand, with Three Branches; manufactured by the Exhibitors. Price 18s. 6d.

1338—Rustic Flower-Pot; manufactured by the Exhibitors. Price 2s. 9d.

1339—Rustic Flower-Pot, on Feet; manufactured by the Exhibitors. Price 4s. 6d.

1340—Rustic Flower-Pot, Square; manufactured by the Exhibitors. Price 7s. 6d.

1341—Rustic Orange-Tub; manufactured by the Exhibitors. Price £1 7s. 6d.

1342—Rustic Flower-Tub, for Palms; manufactured by the Exhibitors. Price 14s. 6d.

1343—Rustic Window-Box, Festoon Pattern; manufactured by the Exhibitors. Price 10s. 6d.

1344—Rustic Window-Box, Diamond Pattern; manufactured by the Exhibitors. Price 10s. 6d.

1345—Rustic Window-Box, Lattice Pattern; manufactured by the Exhibitors. Price 10s. 6d.

1346—Rustic Hanging Basket; manufactured by the Exhibitors. Price 8s. 6d.

1347—Rustic Fern-Case, with Stand; manufactured by the Exhibitors. Price £3 15s.

1348—Rustic Summer-House, 12 Ft. High, to Seat 12 Persons, Fitted with Chairs and Table complete; manufactured by the Exhibitors. Price £63.

Stand No. 62.—*A. L. Bricknell, of 76, Chancery Lane, London, W.C.*

Article 1349—(*New Implement.*)—Balanced Field-Gate and Posts; manufactured by the Exhibitor. Price £2 17s. 6d.; delivered free by rail 100 miles. The iron post upon which the gate is hung is self-fixing, and cannot be drawn towards the other post by the weight of the gate, and therefore the head of the gate cannot drop.

Stand No. 63.—*The Phosphor Bronze Co. (Limited). of 139, Cannon Street, London.*

Article 1350—Samples of Various Worn Specimens of Phosphor-Bronze Castings; manufactured by the Exhibitors. Price from 1s. 3d. per lb. These specimens are only exhibited to show the great durability of Phosphor Bronze. For particulars as to wear, see the Exhibitors' circulars. (*Not for Sale.*)

1351—Test-Bars of Phosphor-Bronze, returned by Mr. D. Kirkaldy; manufactured by the Exhibitors. Price of castings from 1s. 3d. per lb. These specimens are exhibited for the purpose of practically illustrating the experiments made by Mr. D. Kirkaldy, particulars of which will be seen on Exhibitors' circulars. (*Not for Sale.*)

1352—Ornamental Castings, Steam-Fittings, Harness Furniture, Revolvers, Jewelry, Locks, &c.; manufactured by the Exhibitors. Price of rough castings from 1s. 4d. per lb. The advantages possessed by Phosphor-Bronze over any other metal for these and kindred purposes are greater durability, better finish and colour, greater strength, and resistance to the action of acids, bad water; non-liability to rust. (*Not for Sale.*)

1353—Phosphor-Bronze Wire, Sheet-Tubes, Ropes; manufactured by the Exhibitors. Price from 1s. 4d. per lb. The wire is very strong, and is used for pit-ropes, organs, papermaking, telegraphic purposes, &c. The sheet is stronger than copper or brass, and used for valves, for making light boats, for eccentric straps, casement stays, engraving, &c. The tubes are superior to the best copper tubes. (*Not for Sale.*)

1354—Sample Pieces of Phosphor-Bronze; manufactured by the Exhibitors. Price from £105 per ton. These represent the various alloys of Phosphor-Bronze in the ingot, and show the grain of the different qualities.

Stand No. 64.—*J. G. Smeaton and Co., of Harwood Road, Fulham, Middlesex.*

Article 1355—Surprise Boiler, for Hot-Water Circulation, No. 4; manufactured by the Exhibitors. Price £32.

1356—Surprise Boiler, for Hot-Water Circulation, No. 6; manufactured by the Exhibitors. Price £64.

1357—Excellentia Boiler, for Hot-Water Circulation, No. 6; manufactured by the Exhibitors. Price £28.

Stand No. 65.—*Messrs. Death and Ellwood, of Leicester.*

Article 1358—25-Horse-Power Horizontal Fixed Engine; designed and manufactured by the Exhibitors. Price £210. Fitted with governors and stop-valve complete, turned fly-wheel, base of bed planed, valve-rod and piston-rod of steel; without pump.

1359—6-Horse-Power Horizontal Fixed Engine; designed and manufactured by the Exhibitors. Price £75. Fitted with governors, stop-valve, feed-pump, &c., complete; piston-rod and valve-rod of steel.

1360—3-Horse-Power Vertical Engine and Boiler Combined; designed and manufactured by the Exhibitors. Price £90. Of the most improved construction, and complete on base-plate, with all fittings, and set of spanners.

1361—New Design Cattle-Power Sugar-Mill, Size 1; designed and manufactured by the Exhibitors. Price £60. Having a column in centre of sole-plate, which takes all the strain, thereby giving it great strength; rollers 16 in. long by 12 in. diameter.

1362—3-In. Cattle Gear-Pump; designed and manufactured by the Exhibitors. Price £26. Made either with or without wheels, and complete, with flange for attaching pipes or nozzle for hose-unions; to pump about 500 gallons per hour.

1363—Double-Acting Steam-Pump, Size 10; designed, improved, and manufactured by the Exhibitors. Price £45. Valves and seatings of best gun-metal, crank wrought iron, case-hardened, and fitted with heavy fly-wheel complete; to pump about 4000 gallons per hour.

1364—Single-Acting Steam-Pump, Size 3; designed, improved, and manufactured by the Exhibitors. Price £14. Pump-plungers, valves, and seatings of best gun-metal; to pump about 400 gallons per hour.

Stand No. 66.—*Cater, Walker, and Son, of the Grove, Southwark, London, S.E.*

Article 1365—Patent Multitubular Boiler, of 12-Horse-Power, 4 Ft. 6 In. Diam. by 8 Ft. Long; manufactured by the Exhibitors. Price £180. The boiler is complete with steam-chamber, mud-receiver, furnace-work and mountings, together with back-smoke flue, and all attachments, ready for setting in brickwork; designed for special economy in fuel.

1366—Patent Feed-Water Heater (Atkinson's Patent); manufactured by the Exhibitors. Price £48. This heater is suitable for a 20-horse-power engine, and will heat the feed-water to a temperature of 210°,

with a minimum of back-pressure on the piston of engine. Besides economy of fuel, the impurities in the water are effectually deposited and prevented from entering the boiler.

1367—Vertical Boiler, with Cross-Tubes, of 4-Horse-Power, 3 Ft. Diam. by 7 Ft. High; manufactured by the Exhibitors. Price £54. This boiler is complete with all attachments and mountings ready for work, and is designed to effect a reasonable economy of fuel at a moderate cost.

Stand No. 67.—*John Gatward, of Hitchin, Hertfordshire.*

Article 1368—(*New Implement.*)—10-Row Cup-Drill, with Self-Acting Seed-Box; manufactured by the Exhibitor. Price £12 12s. Specially designed for drilling onion and other small seeds.

1369—8-Row "Hertfordshire" Corn and Seed-Drill; manufactured by the Exhibitor. Price £18 10s.; seed-box for small seeds, £1 15s. extra. This drill has an iron lever-bed and self-acting seed-box.

1370—6-Row "Hertfordshire" Corn and Seed-Drill; manufactured by the Exhibitor. Price £16 16s.; seed-box for small seeds, £1 10s. extra. This drill has a wood lever-bed and self-acting seed-box.

1371—3-Row Turnip and Manure-Drill; manufactured by the Exhibitor. Price £16 16s. To work 3 rows on the flat and 2 rows on the ridge.

1372—2-Row Turnip and Manure-Drill; manufactured by the Exhibitor. Price £10 10s.

1373—1-Row Turnip and Manure-Drill; manufactured by the Exhibitor. Price £6 10s.

1374—1-Row Cup-Drill; manufactured by the Exhibitor. Price £2 12s. 6d. For turnips, mangolds, &c.

1375—Broadcast Seed-Barrow; manufactured by the Exhibitor. Price £3 10s.

1376—Hay, Corn, and Straw Elevator; manufactured by the Exhibitor. Price £43. Fitted with new chain gearing and elevator hopper; delivers to a height of about 25 ft.

1377—(*New Implement.*)—Triangular-Framed Horse-Gear; manufactured by the Exhibitor. Price £7 10s. This gear is especially designed for driving elevators.

1378—12-In. Cast-Metal 3-Cylinder Field Roller; manufactured by the Exhibitor. Price £7 10s.

1379—14-In. 3-Cylinder Cast-Metal Field Roller; manufactured by the Exhibitor. Price £8 10s.

1380—16-In. 2-Cylinder Wrought-Iron Field Roller; manufactured by the Exhibitor. Price £8.

1381—18-In. 2-Cylinder Wrought-Iron Field Roller; manufactured by the Exhibitor. Price £8 10s.

1382—20-In. Press-Wheel Clod-Crusher; manufactured by the Exhibitor. Price £11.

1383—26-In. Press-Wheel Clod-Crusher; manufactured by the Exhibitor. Price £14.

1384—Iron Plough, marked *1 c*; manufactured by the Exhibitor. Price £4; steel breast, 5s. extra; skim coulter, 5s. extra. Recommended as a most generally useful 2-horse plough.

1385—Iron Plough, marked *w s*; manufactured by the Exhibitor. Price £4 5s.; steel breast, 5s. extra; skim coulter, 5s. extra. This is a stronger plough than the above, and is intended for general purposes.

1386—Set of 2-Horse Whippletrees; manufactured by the Exhibitor. Price £1 1s.

1387—Set of 3-Horse Whippletrees; manufactured by the Exhibitor. Price £2 2s.

1388—Plough Sledge; manufactured by the Exhibitor. Price 12s. 6d.

1389—Set of Light-Seed Diagonal Iron Harrows, No. 1; manufactured by the Exhibitor. Price £2 10s.

1390—Set of Light-Seed Diagonal Iron Harrows, No. 2; manufactured by the Exhibitor. Price £2 17s. 6d.

1391—Set of General Purpose Diagonal Iron Harrows, No. 3; manufactured by the Exhibitor. Price £3 10s.

1392—Set of General Purpose Diagonal Iron Harrows, No. 4; manufactured by the Exhibitor. Price £4.

1393—Set of General Purpose Diagonal Iron Harrows, No. 5; manufactured by the Exhibitor. Price £4 5s.

1394—Set of Improved Drag Harrows, No. 0; manufactured by the Exhibitor. Price £3 10s.

1395—Set of Improved Drag Harrows, No. 1; manufactured by the Exhibitor. Price £4 5s.

1396—Set of Improved Drag Harrows, No. 2; manufactured by the Exhibitor. Price £4 15s.

1397—General Purposes Steerage Horse-Hoe; manufactured by the Exhibitor. Price £6 15s. Fitted with seven hoes for corn. Set of root-hoes, 30s. extra.

1398—1-Row Iron Horse-Hoe; manufactured by the Exhibitor. Price £2 7s. 6d. With 1 wheel, and fitted with steel blades.

1399—1-Row Iron Horse-Hoe; manufactured by the Exhibitor. Price £2 12s. 6d. Fitted with 2 wheels, and steel blades.

1400—Five Tined Grubber, or 1-Row Horse-Hoe; manufactured by the Exhibitor. Price £3 17s. 6d.

1401—Oilcake Breaker; manufactured by the Exhibitor. Price £3 3s. This implement will break into four different sizes, suitable for bullocks, sheep, lambs, &c.

1402—Reaper Knife Stand; manufactured by the Exhibitor. Price 14s. 6d.

1403—Driving Lamb Hurdle; manufactured by the Exhibitor. Price 18s. 6d.

1404—Lamb Hurdle on Four Wheels; manufactured by the Exhibitor. Price £1 10s.

1405—9-Ft. Galvanized Sheep Trough; manufactured by Larkworthy, of Worcester. Price £1 8s.

1406—Open-Top Sheep Rack; manufactured by the Exhibitor. Price £1 15s. With wrought-iron bottom.

1407—Combined Sheep Rack and Trough; manufactured by the Exhibitor. Price £3 15s.

1408—Dressing Machine, No. 1; manufactured by John Baker, of Wisbeach. Price £10. With blowing apparatus.

1409—Dressing Machine, No. 3; manufactured by John Baker. Price £8. Blowing apparatus, 15s. extra.

1410—"Star" Horse Rake, marked M D; manufactured by Ransomes, of Ipswich. Price £10 15s.

1411—"Star" Horse Rake, marked M H 8; manufactured by Ransomes. Price £11. Seats and double levers for the above rakes, 15s. extra; "Toe and Heel" delivery for the above rakes, £1 extra.

Stand No. 68.—*Messrs. G. F. and H. Braggins, of Banbury, Oxfordshire.*

Article 1412—Oak Entrance Gate and Posts, Fitted with Patent Hangings, Complete; manufactured by the Exhibitors. Price £34. Pattern No. 10. in Exhibitors' Catalogue.

1413—Oak Entrance Gate and Posts, Fitted with Patent Hangings Complete; manufactured by the Exhibitors. Price £19 10s. Pattern No. 8 in Exhibitors' Catalogue.

1414—Oak Entrance Gate and Posts, Fitted with Patent Hangings Complete; manufactured by the Exhibitors. Price £17 10s. Pattern No. 6 in Exhibitors' Catalogue.

1415—Oak Entrance Gate and Posts, Fitted with Patent Hangings Complete; manufactured by the Exhibitors. Price £14 10s. Pattern No. 5 in Exhibitors' Catalogue.

1416—Oak Entrance Gate and Posts, Fitted with Patent Hangings Complete; manufactured by the Exhibitors. Price £7. Pattern No. 2 in Exhibitors' Catalogue.

1417—Oak Field Gate, with Posts and Patent Hangings Complete; manufactured by the Exhibitors. Price £3 2s. 6d. Royal Agricultural Society's First Prize Gate, awarded at Bury St. Edmunds.

1418—Oak Wicket Entrance Gate and Posts, Fitted with Patent Hangings Complete; manufactured by the Exhibitors. Price £3 10s. Pattern No. 1 in Exhibitors' Catalogue.

1419—Oak Wicket Entrance Gate and Posts, Fitted with Patent Hangings Complete; manufactured by the Exhibitors. Price £3 17s. 6d. Pattern No. 2 in Exhibitors' Catalogue.

1420—Oak Wicket Entrance Gate and Posts, Fitted with Patent Hangings Complete; manufactured by the Exhibitors. Price £5 2s. 6d. Pattern No. 3 in Exhibitors' Catalogue.

1421—Oak Wicket Entrance Gate and Posts, Fitted with Patent Hangings Complete; manufactured by the Exhibitors. Price £4 15s. Pattern No. 4 in Exhibitors' Catalogue.

1422—Set of Patent Hangings for Swing Entrance Gate, Complete; manufactured by the Exhibitors. Price £1 15s.

1423—Set of Patent Hangings for Field Gate, Complete; manufactured by the Exhibitors. Price 11s. 6d.

1424—Patent Lock for Field Gates; manufactured by the Exhibitors. Price 2s. 6d.

1425—Entrance Gate Lock, Complete. Price 7s. 6d.

Stand No. 69.—*Richard Sarginson Moncaster, of Kirk Ella, Hull, Yorkshire.*

Article 1426—(*New Article.*)—Patent Fence, 3 Ft. 9 In. High; manufactured by the Exhibitor. Price 3s. per yard. With five bars, top one round, $\frac{1}{2}$ -in., and four flat bars, 1 in. by $\frac{1}{2}$ -in., and patent standards 3 ft. 9 in. apart.

1427—(*New Article.*)—Patent Fence, 3 Ft. 9 In. High; manufactured by the Exhibitor. Price 3s. 2d. per yard. With five bars, top one $\frac{1}{2}$ -in. round, and four others $\frac{1}{2}$ -in. round, and patent standards 4 ft. apart.

1428—(*New Article.*)—Patent Wire Fencing, 3 Ft. 6 In. High; manufactured by the Exhibitor. Price 1s. 9d. per yard. With six lines of galvanized strand wire, and patent standards 8 ft. apart.

1429—Flat Bar Hurdle; manufactured by the Exhibitor. Price 5s. This hurdle is 6 ft. long, and 3 ft. 6 in. high, with five bars.

1430—Round Bar Hurdle; manufactured by the Exhibitor. Price 6s. 4d. This hurdle is 6 ft. long, and 3 ft. 9 in. high, with five round bars, the top one $\frac{1}{2}$ -in., and four others $\frac{1}{2}$ -in.

1431—(*New Article.*)—Patent Tree Guard; manufactured by the Exhibitor. Price 16s. 6d. This guard is 4 ft. high, with four standards punched to receive six bars, but with 3 bars so to enable sheep to pass under. For each additional bar if required, 1s. 4d.

1432—Wrought-Iron Hand Gate, and Fitted to a Pair of Handsome Self-Fixing Pillars; manufactured by the Exhibitor. Price £2 3s.

1433—Wrought-Iron Field Gate, Fitted to a Pair of Self-Fixing Pillars; manufactured by the Exhibitor. Price £4.

1434—Footpath Gate and Guard; manufactured by the Exhibitor. Price £2 2s.

1435—Carriage Gate Stop; manufactured by the Exhibitor. Price 7s. 6d.

1436—Patent Half-Tree Guard, 6 Ft. by 4 Ft., and 4 Ft. High; manufactured by the Exhibitor. Price 16s. For each additional bar, 1s. 4d.

1437—Patent Fence, 3 Ft. 6 In. High; manufactured by the Exhibitor. Price 2s. 6d. per yard. With five bars, top bar round, $\frac{1}{2}$ in., and four others, flat bars, 1 in. by $\frac{1}{2}$ in.

1438—Patent Fence, 4 Ft. 6 In. High; manufactured by the Exhibitor. Price 3s. 6d. per yard. With six bars, top bar round, $\frac{1}{2}$ in., and four others, flat bars, 1 in. by $\frac{1}{2}$ in.

1439—Patent Fence, 6 Ft. High; manufactured by the Exhibitor. Price 4s. 2d. per yard. With eight bars, top bar $\frac{1}{2}$ in. round, and four others, flat bars, 1 in. by $\frac{1}{2}$ in.

1440—Self-Fixing Terminal Pillars; manufactured by the Exhibitor. Price 13s. each.

1441—Patent Fence, 4 Ft. 6 In. High; manufactured by the Exhibitor. Price 3s. 7d. per yard. With six round bars, top one $\frac{1}{2}$ in. round, five others, $\frac{1}{2}$ in. round, and patent standards 4 ft. apart.

1442—Patent Fence, 6 Ft. High; manufactured by the Exhibitor. Price 4s. 8d. per yard. This fence is 6 ft. high, with eight round bars, top one $\frac{1}{2}$ in. round, seven others, $\frac{1}{2}$ in. round, and patent standards 4 ft. apart.

1443—Patent Tree Guard, 3 Ft. Diam.; manufactured by the Exhibitor. Price 18s. 6d. This guard is 6 ft. high, with three standards punched to receive nine bars, but with six bars. For each additional bar, 1s.

1444—Patent Tree Guard, 4 Ft. Diam.; manufactured by the Exhibitor. Price 18s. 6d. This guard is 4 ft. 6 in. high, with four standards, punched to receive seven bars, but with four bars. For each additional bar, 1s. 4d.

Stand No. 70.—*Richard Johnson, Clapham, and Morris, of 26, Lever Street, Manchester.*

Article 1445—Australian Kangaroo Galvanized-Wire Netting; manufactured by the Exhibitors. Price £48 per mile. 4 ft. wide, 3-in. mesh, No. 14 B. w. G., three ply, No. 14 selvage.

1446—Australian Kangaroo Galvanized-Wire Netting; manufactured by the Exhibitors. Price £38 per mile. 5 ft. wide, 4-in. mesh, No. 15 B. w. G., two ply, No. 15 selvage, with one centre; strand, two ply, No. 15.

1447—Galvanized-Wire Sheep-Netting; manufactured by the Exhibitors. Price £1 6s. per 50 yards. 3 ft. wide, 4-in. mesh, No. 13 B. w. G., three ply, No. 14 selvage, with one centre; strand, three ply, No. 14.

1448—Galvanized-Wire Sheep-Netting; manufactured by the Exhibitors. Price 12s. per 50 yards. 3 ft. wide, 4-in. mesh, No. 17 B. w. G., one centre strand.

1449—Galvanized-Wire Netting for Strong Garden-Fence; manufactured by the Exhibitors. Price £1 11s. per 50 yards. 4 ft. wide, 4 in. mesh, No. 14 B. w. G. three ply, No. 14 selvage, with three intermediate strands each, three ply, No. 14.

1450—Galvanized-Wire Netting for Garden-Fence; manufactured by the Exhibitors. Price 17s. per 50 yards. 3 ft. wide, 4 in. mesh, No. 17 B. w. G., with eight intermediate single wires.

1451—Galvanized-Wire Poultry Netting; manufactured by the Exhibitors. Price £1 per 50 yards. 6 ft. wide, 8-in. mesh, No. 18 B. w. G.

1452—Galvanized Extra-Strong Poultry Wire Netting; manufactured by the Exhibitors. Price £1 12s. 6d. per 50 yards. 6 ft. wide, 2-in. mesh, No. 17 B. w. G.

1453—Galvanized Poultry Wire Netting; manufactured by the Exhibitors. Price 12s. 6d. per 50 yards. 3 ft. 6 in. wide, 2-in. mesh, No. 19 B. w. G.

1454—Galvanized Extra Strong Poultry Wire Netting; manufactured by the Exhibitors. Price 5s. 6d. per 50 yards. 1 ft. wide, 2-in. mesh, No. 17 B. w. G.

1455—Galvanized-Wire Game-Netting; manufactured by the Exhibitors. Price 14s. 6d. per 50 yards. 3 ft. wide, 1½-in. mesh, No. 18 B. w. G.

1456—Galvanized-Wire Game-Netting; manufactured by the Exhibitors. Price £1 10s. per 50 yards. 6 ft. wide, 1½-in. mesh, No. 18 B. w. G.

1457—Galvanized-Wire Game-Netting; manufactured by the Exhibitors. Price 11s. 6d. per 50 yards. 2 ft. wide, 1½-in. mesh, No. 18 B. w. G.

1458—Galvanized-Wire Game-Netting for Pheasantries, &c.; manufactured by the Exhibitors. Price 13s. 6d. per 50 yards. 1 ft. 6 in. wide, 1½-in. mesh, No. 19 B. W. G.

1459—Galvanized-Wire Netting for Pheasantries, Birds, &c.; manufactured by the Exhibitors. Price 16s. 6d. per 50 yards, 2 ft. wide, 1-in. mesh, No. 20 B. W. G.

1460—Galvanized-Wire Netting for Small Birds, &c.; manufactured by the Exhibitors. Price £5 per 50 yards. 4 ft. wide, ½-in mesh, No. 22 B. W. G.

1461—Galvanized-Wire Croquet-Netting; manufactured by the Exhibitors. Price 9s. per 50 yards. 6 in. wide, 1½-in. mesh, No. 17 B. W. G., including 25 stakes.

1462—Galvanized-Wire Croquet-Bordering; manufactured by the Exhibitors. Price 6s. 9d. per 12 yards. 9 in. high, including stakes.

1463—Galvanized-Wire Game-Hurdle; manufactured by the Exhibitors. Price 3s. 9d. 3 ft. wide, 3 ft. high, with pronged feet.

1464—Wire Flower-Pot Stand; manufactured by the Exhibitors. Price 14s. 3 ft. wide by 3 ft. high.

1465—Wire Flower-Pot Stand; manufactured by the Exhibitors. Price £1. 3 ft. 6 in. wide by 3 ft. high.

1466—Galvanized-Wire Meat-Safe; manufactured by the Exhibitors. Price 18s. 24 in. wide, by 4 ft. high, painted wood frame, with lock and key.

1467—Galvanized-Wire Meat-Safe; manufactured by the Exhibitors. Price £1 2s. 6d. 30 in. wide, by 4 ft. high, painted wood frame, with lock and key.

1468—Galvanized-Wire Folding Garden-Chair; manufactured by the Exhibitors. Price 9s.

1469—Galvanized-Wire Garden-Chair; manufactured by the Exhibitors. Price 11s.

1470—Galvanized-Wire Pea-Trainer; manufactured by the Exhibitors. Price 9s. per pair. 6 ft. long by 4 ft. high, with galvanized-iron standards, one for each pair of trainers.

1471—Galvanized-Wire Seed and Pea-Protector; manufactured by the Exhibitors. Price 6s. 9d. per dozen lengths. 3 ft. long, with two ends to the dozen yards included.

1472—Potato-Riddle; manufactured by the Exhibitors. Price 18s. per dozen. 22 in. wide, 1½-in. mesh.

1473—Wove Wire for Screening Corn or Malt; manufactured by the Exhibitors. Price 7s. per square yard. 6ft. wide, 6 by 8 mesh, from 16 and 17 round, and round wire.

1474—Wove Wire for Screening Corn or Malt; manufactured by the Exhibitors. Price 8s. per square yard. 6 ft. wide, 6 by 8 mesh, from 17 square, and square wire.

1475—Suspending Wire Flower-Basket; manufactured by the Exhibitors. Price 6s. per dozen.

1476—Suspending Wire Flower-Basket; manufactured by the Exhibitors. Price 9s. per dozen.

1477—Suspending Wire Flower-Basket; manufactured by the Exhibitors. Price 12s. per dozen.

1478—Suspending Wire Flower-Basket; manufactured by the Exhibitors. Price 18s. per dozen.

1479—Suspending Wire Flower-Basket; manufactured by the Exhibitors. Price £1 4s. per dozen.

1480—Suspending Wire Flower-Basket; manufactured by the Exhibitors. Price £1 16s. per dozen.

1481—Galvanized-Wire Hen and Chicken Coop; manufactured by the Exhibitors. Price 14s. 3 ft. long, 2 ft. wide, 2 ft. high, made to fold up into a flat sheet when not required for use.

1482—Galvanized-Wire Garden-Arch; manufactured by the Exhibitors. Price £1 5s. each. 4 ft. 6 in. wide by 7 ft. high.

1483—Corn-Sieve; manufactured by the Exhibitors. Price 2s. each. 20 in. diameter.

Stand No. 71.—*Isaac Dixon, of the Windsor Iron Works, Liverpool.*

Article 1484—Specimen of Dixon's Improved Galvanized Corrugated Curved Fire-Proof Iron Roofing, 20 Ft. Span; manufactured by the Exhibitor. Price 5d. per square foot.

1485—Specimen of Dixon's Improved Galvanized Corrugated Curved Fire-Proof Iron Roofing, 15 Ft. Span; manufactured by the Exhibitor. Price 5d. per square foot.

1486—Specimen of Dixon's Improved Galvanized Corrugated Curved Fire-Proof Iron Roofing, 18 Ft. Span; manufactured by the Exhibitor. Price 5d. per square foot.

1487—Specimen of Dixon's Improved Galvanized Corrugated Curved Fire-Proof Iron Roofing, 25 Ft. Span; manufactured by the Exhibitor. Price 5d. per square foot.

1488—(*New Article.*)—Specimen of Steel Roofing, 20 Ft. Span, supported on Steel Columns and Wall Plates; manufactured by the Exhibitor. Price 6d. per square foot. Made from a high quality of steel plates, and galvanized with a thicker coating of zinc than is usually put on iron. Much stronger than iron, and offered as the most efficient, durable, and economical material for roofs and buildings for agricultural purposes.

1489—(*New Article.*)—Specimen of Dixon's Galvanized Corrugated Steel Roofing, 30 Ft. Span; manufactured by the Exhibitor. Price 6d. per square ft.

1490—Specimen of Iron Roof, 30 Ft. Span, on Wrought-Iron Framed Principals; manufactured by the Exhibitor. Price 8d. per square foot.

1491—Specimen of Iron Roof, 40 Ft. Span, on Wrought-Iron Framed Principals; manufactured by the Exhibitor. Price 8d. per square foot.

1492—Specimen of Iron Roof, 60 Ft. Span, on Wrought-Iron Framed Principals; manufactured by the Exhibitor. Price 9d. per square foot.

1493—Specimen of Iron Roof, 80 Ft. Span, on Wrought-Iron Framed Principals; manufactured by the Exhibitor. Price 10d. per square foot.

1494—Specimen Sheet of Dixon's Galvanized Corrugated Iron Roofing, 16 Birmingham Wire Gauge; manufactured by the Exhibitor. Price 4½d. per square foot.

1495—Specimen Sheet Galvanized Corrugated Roofing, Iron, 18 Birmingham Wire Gauge; manufactured by the Exhibitor. Price 3½d. per square foot.

1496—Specimen Sheet Galvanized Corrugated Roofing, Iron, 20 Birmingham Wire Gauge; manufactured by the Exhibitor. Price 3d. per square foot.

1497—Specimen Sheet Dixon's Galvanized Corrugated Roofing, Iron, 22 Birmingham Wire Gauge; manufactured by the Exhibitor. Price 2½d. per square foot.

1498—Specimen Sheet Dixon's Galvanized Corrugated Roofing, Iron, 24 Birmingham Wire Gauge; manufactured by the Exhibitor. Price 2½d. per square foot.

1499—Specimen Sheet Dixon's Galvanized Corrugated Roofing, Iron, 26 Birmingham Wire Gauge; manufactured by the Exhibitor. Price 2d. per square foot.

1500—Specimen Sheet Dixon's Galvanized Corrugated Roofing, Iron, 28 Birmingham Wire Gauge; manufactured by the Exhibitor. Price 1½d. per square foot.

1501—(*New Article.*)—Light Steel-Plate, Galvanized and Corrugated for Roofing, and other Purposes; manufactured by the Exhibitor. Price 3d. per square foot.

1502—Medium Thickness Steel-Plate, Galvanized and Corrugated, for Roofing and other Purposes; manufactured by the Exhibitor. Price 4d. per square foot.

1503—Strong Galvanized Corrugated Steel-Plate; manufactured by the Exhibitor. Price 4½d. per square foot.

1504—Extra-Strong Galvanized Corrugated Steel-Plate; manufactured by the Exhibitor. Price 5d. per square foot.

1505—Specimen Italian-Pattern Galvanized Iron Roofing-Tile; manufactured by the Exhibitor. Price 4d. per square foot.

1506—(*New Article.*)—Specimen Italian-Pattern Galvanized Steel Roofing Tile; manufactured by the Exhibitor. Price 4½d. per square foot.

1507—Assortment of Galvanized Wrought-Iron Eaves, Gutters, Down Pipes, Cornices, Cresting, &c.; manufactured by the Exhibitor. Price from 2d. to 5d. per lineal foot.

1508—Assortment of Galvanized Wrought-Iron Corn Bins; manufactured by the Exhibitor. Price from 10s. to £6 10s. each.

1509—Galvanized Wrought-Iron Open Tank, 50 Gallons; manufactured by the Exhibitor. Price £1.

1510—Galvanized Wrought-Iron Open Tank, 80 Gallons; manufactured by the Exhibitor. Price £1 11s. 6d.

1511—Galvanized Wrought-Iron Open Tank, 100 Gallons; manufactured by the Exhibitor. Price £2.

1512—Galvanized Wrought-Iron Open Tank 200 Gallons; manufactured by the Exhibitor. Price £3 18s.

1513—Galvanized Wrought-Iron Open Tank, 300 Gallons; manufactured by the Exhibitor. Price £4 16s. 6d.

1514—(*New Article*)—Example of Dixon's Patent Wire Rope Fencing; manufactured by the Exhibitor. Price 1s. 10d. per yard. Is entirely of steel. The wires are galvanized twisted steel rope; standards are Exhibitor's patent concave, tubular-tapered form, possessing great holding power in the ground; and also of steel. This fence is very firm and has the advantage of presenting a rounded surface to the rubbing of cattle.

1515—Specimen of Dixon's Patent Continuous-Bar Iron Fencing for Cattle, 3 Ft. 4 In. high; manufactured by the Exhibitor. Price 1s. 9d. per yard

1516—Specimen of Dixon's Patent Continuous-Bar Iron Fencing, 3 Ft. 9 In. high; manufactured by the Exhibitor. Price 1s. 11d. per yard.

1517—Specimen of Dixon's Patent Continuous-Bar Iron Fencing, 4 Ft. high; manufactured by the Exhibitor. Price 2s. 5d. per yard.

1518—Specimen of Dixon's Improved Export Sheep Fence, 3 Ft. 4 In. high; manufactured by the Exhibitor. Price 3½d. per yard.

1519—Iron Field Gate of Angle, Tee, and Flat Iron; manufactured by the Exhibitor. Price £1 4s. 6d.

1520—Field Gate of Round and Flat Iron, 8 Ft. 6 In. wide by 3 Ft. 9 In. high; manufactured by the Exhibitor. Price 14s. 9d.

1521—Specimen of Improved Galvanized-Steel Fencing Rope, No. 2 Gauge; manufactured by the Exhibitor. Price 11s. per 100 yards.

1522—Specimen of Improved Galvanized Steel Fencing Rope, No. 3 Gauge; manufactured by the Exhibitor. Price 9s. 6d. per 100 yards.

1523—Assortment of Iron Fencing Standards; manufactured by the Exhibitor. Price from 5d. to 3s. 10d. each.

1524—Assortment of Galvanized and Black Drawn and Rolled Fencing Wire; manufactured by the Exhibitor. Price from £7 10s. to £11 15s. per ton.

1525—Ornamental Iron Office; manufactured by the Exhibitor. Price £10.

1526—Ornamental Iron House for Lodge, Cottage, Gatekeeper's House, or Similar Purposes; manufactured by the Exhibitor. Price £49.

1527—Iron Building, suitable for Store, Workshop, Stable, Coach House, &c.; manufactured by the Exhibitor. Price £19 15s.

1528—(*New Article*)—Soldiers', Volunteers', or Navvies' Hut; manufactured by the Exhibitor. Price £10. The simplest, quickest, and most economical form of shelter that can be erected. Can be put up and taken down with the utmost rapidity. The manufacturer can supply these huts at the rate of 300 per day.

1529—Assortment of Galvanized-Iron Eaves, Gutters, Pipes, and other manufactures; manufactured by the Exhibitor. Price various, according to specification.

1530—Assortment of Drawings of Iron and Steel Churches, Houses, Buildings, and Structures; manufactured by the Exhibitor. (*Not for Sale.*)

Stand No. 72. — *Hill and Smith, of Brierley Hill Iron Works, Brierley Hill, Staffordshire; and 118, Queen Victoria Street, London, E.C.*

Article 1531—Sample of Patent Continuous Flat-Bar Sheep Fencing, No. 1; manufactured by the Exhibitors. Price 1s. 8½d. a yard.

1532—Sample of Patent Continuous Flat-Bar Cattle Fencing, No. 2; manufactured by the Exhibitors. Price 1s. 11½d. a yard.

1533—Sample of Patent Continuous Flat-Bar Ox Fencing, No. 3; manufactured by the Exhibitors. Price 2s. 3d. a yard.

1534—Sample of Patent Continuous Flat-Bar Ox Fencing, No. 3, with 6 Bars; manufactured by the Exhibitors. Price 2s. 6d. a yard.

1535—Sample of Patent Continuous Flat-Bar Ox Fencing, No. 3 A; manufactured by the Exhibitors. Price 2s. 7d. a yard.

1536—Sample of Patent Continuous Flat-Bar Deer Fencing, No. 7; manufactured by the Exhibitors. Price 3s. a yard.

1537—Sample of Patent Flat Bar Deer Fencing, No. 7, with 9 Bars; manufactured by the Exhibitors. Price 3s. 3d. a yard.

1538—Sample of Patent Flat Bar Continuous Ox Fencing, No. 3, with Girder Iron Standards; manufactured by the Exhibitors. Price 2s. 3d. a yard.

1539—Sample of Round-Bar Continuous Sheep Fencing, No. 1 A; manufactured by the Exhibitors. Price 1s. 6d. a yard.

1540—Sample of Round-Bar Continuous Cattle Fencing, No. 2 A; manufactured by the Exhibitors. Price 1s. 9d. a yard.

1541—Sample of Round-Bar Continuous Ox Fencing, No. 4; manufactured by the Exhibitors. Price 2s. 4d. a yard.

1542—Sample of Round-Bar Continuous Ox Fencing, No. 4A; manufactured by the Exhibitors. Price 2s. 8d. a yard.

1543—Sample of Round-Bar Continuous Ox Fencing, No. 6A; manufactured by the Exhibitors. Price 4s. 3d. a yard.

1544—Sample of Round-Bar Continuous Ox Fencing, No. 6, with Chain Top; manufactured by the Exhibitors. 2s. 7d. a yard.

1545—Sample of Round-Bar Continuous Deer Fencing, No. 8; manufactured by the Exhibitors. Price 3s. 3½d. a yard.

1546—Sample of Round-Bar Continuous Ox Fencing, No. 4, with Girder Iron Standards; manufactured by the Exhibitors. Price 2s. 4d. a yard.

1547—Sample of Continuous Fencing, with T-Iron Uprights for Sheep and Light Cattle; manufactured by the Exhibitors. Price 2s. 2d. a yard.

1548—Sample of Continuous Fencing with T-Iron Uprights for Oxen or Horses; manufactured by the Exhibitors. Price 2s. 9d. a yard.

1549—Sample of Continuous Fencing with T-Iron Uprights for Harvest Stock; manufactured by the Exhibitors. Price 3s. a yard.

1550—Sample of Continuous Fencing with T-Iron Uprights and Tubular Rails; manufactured by the Exhibitors. Price 2s. a yard.

1551—Sample of Continuous Fencing with T-Iron Uprights and Tubular Rails; manufactured by the Exhibitors. Price 2s. 4d. a yard.

1552—Sample of Continuous Fencing with T-Iron Uprights and Tubular Rails; manufactured by the Exhibitors. Price 2s. 6d. a yard.

1553—Flat-Bar Sheep Hurdle, No. 9 A, 3 Ft. 4 In. High by 6 Ft. Long; manufactured by the Exhibitors. Price 3s. 8d. each.

1554—Cattle Hurdle, with Flat Bars, No. 10 A, 6 Ft. Long by 3½ Ft. High; manufactured by the Exhibitors. Price 4s. 2d. each.

1555—Ox Hurdle, with Flat Bars, No. 11 A, 6 Ft. Long by 4 Ft. High; manufactured by the Exhibitors. Price 5s. 4d. each.

1556—Sheep-Folding Hurdle, with Flat Bars, No. 14 A, 6 Ft. Long by 3 Ft. High; manufactured by the Exhibitors. Price 3s. 10d. each.

1557—Sheep-Folding Hurdle, with Flat Bars, No. 14 B, 6 Ft. Long by 2½ Ft. High; manufactured by the Exhibitors. Price 3s. 8d. each.

1558—Light Sheep Hurdle, with Round Bars, No. 8 A, 6 Ft. Long by 3 Ft. High; manufactured by the Exhibitors. Price 2s. 11d. each.

1559—Sheep Hurdle, with Round Bars, No. 9, 6 Ft. Long by 3 Ft. 4 In. High; manufactured by the Exhibitors. Price 3s. 4d. each.

1560—Cattle Hurdle, with Round Bars, No. 10, 6 Ft. Long by 3½ Ft. High; manufactured by the Exhibitors. Price 3s. 11d. each.

1561—Ox Hurdle, with Round Bars, No. 11, 6 Ft. Long by 3 Ft. 9 In. High; manufactured by the Exhibitors. Price 5s. 6d. each.

1562—Sheep-Folding Hurdle, No. 12, 6 Ft. Long by 3 Ft. High; manufactured by the Exhibitors. Price 4s. 2d. each.

1563—Sheep-Folding Hurdle, No. 13, 6 Ft. Long by 3 Ft. High; manufactured by the Exhibitors. Price 4s. 1d. each.

1564—Sheep-Folding Hurdle, No. 14, 6 Ft. Long by 3 Ft. 6 In. High; manufactured by the Exhibitors. Price 3s. 7d. each.

1565—Sheep-Folding Hurdle, on Wheels, with Round and Flat Bars, 12 Ft. Long by 3½ Ft. High; manufactured by the Exhibitors. Price 18s. each.

1566—Sheep-Folding Hurdle on Wheels, with Angle-Iron Frame, 12 Ft. by 3½ Ft.; manufactured by the Exhibitors. Price 18s. each.

1567—Unclimbable Hurdle for Exposed Situations, No. 15, 6 Ft. Long by 4 Ft. High; manufactured by the Exhibitors. Price 8s. 2d. each.

1568—Extra Strong Unclimbable Hurdle, No. 15 A, 6 Ft. Long by 4 Ft. High; manufactured by the Exhibitors. Price 10s. each.

1569—Ornamental Hurdle, No. 16, 6 Ft. Long by 4 Ft. High; manufactured by the Exhibitors. Price 11s. each.

1570—Ornamental Hurdle, No. 17, 6 Ft. Long by 4 Ft. High; manufactured by the Exhibitors. Price 9s. 6d. each.

1571—Ornamental Hurdle, No. 18, 6 Ft. Long by 4 Ft. High; manufactured by the Exhibitors. Price 13s. 6d. each.

1572—Ornamental Hurdle, No. 19, 6 Ft. Long by 3 Ft. 3 In. High; manufactured by the Exhibitors. Price 12s. each.

1573—Ornamental Hurdle, No. 18 A, 6 Ft. Long by 4 Ft. High; manufactured by the Exhibitors. Price 13s. each.

1574—Ornamental Hurdle, No. 31, 6 Ft. Long by 3½ Ft. High; manufactured by the Exhibitors. Price 9s. each.

1575—Ornamental Hurdle, No. 32 A, 6 Ft. Long by 2½ Ft. High; manufactured by the Exhibitors. Price 4s. 9d. each.

1576—Ornamental Hurdle, No. 32 B, 6 Ft. Long by 2½ Ft. High; manufactured by the Exhibitors. Price 4s. 9d. each.

1577—Ornamental Deer Hurdle, No. 33 c, 6 Ft. Long by 6 Ft. High; manufactured by the Exhibitors. Price 13s. 6d. each.

1578—Sample of New Tubular Continuous Sheep and Cattle Fencing, No. 1 B; manufactured by the Exhibitors. Price 1s. 8d. a yard.

1579—Sample of New Tubular Continuous Ox Fencing, for Various Purposes; manufactured by the Exhibitors. Price from 2s. 1½d. a yard.

1580—Sample of Continuous Flat-Bar Fencing, No. 3, with Tubular Top Bar; manufactured by the Exhibitors. Price 2s. 3d. a yard.

1581—Samples of New Tubular Iron Hurdles, for Various Purposes; manufactured by the Exhibitors. Price from 3s. 10d. each.

1582—Sample of Strained Wire Sheep Fencing, No. 20, with Galvanized Strand Wire; manufactured by the Exhibitors. Price 1s. 4d. a yard.

1583—Sample of Strained Wire Ox Fencing, No. 21, with Galvanized Strand Wire; manufactured by the Exhibitors. Price 1s. 7d. a yard.

1584—Sample of Strained Wire Ox Fencing, No. 22, with Galvanized Strand Wire; manufactured by the Exhibitors. Price 2s. a yard.

1585—Sample of Strained Wire Ox Fencing, with Galvanized Strand Wire, No. 21 B; manufactured by the Exhibitors. Price 1s. 4d. a yard.

1586—Sample of Strained Wire Deer Fencing, No. 23, made Game Proof; manufactured by the Exhibitors. Price 7s. 6d. a yard.

1587—Sample of "Corrimony" Strained Wire Sheep Fencing; manufactured by the Exhibitors. Price from £40 6s. 8d. per mile.

1588—Sample of Strained Wire Ox Fencing, No. 21, with Solid Annealed Wire; manufactured by the Exhibitors. Price 1s. 3d. a yard.

1589—Sample of Strained Wire Ox Fencing, No. 21, with T-Iron Standards and Galvanized Strand Wire; manufactured by the Exhibitors. Price 1s. 6d. a yard.

1590—Set of Samples of Various Materials for Making Wire Fences; manufactured by the Exhibitors. Price various.

1591—Sample of Galvanized Netting, $2\frac{1}{4}$ In. Mesh, 2 Ft. Wide, No. 17 Wire; manufactured by the Exhibitors. Price 4d. a yard.

1592—Sample of Galvanized Netting, $2\frac{1}{4}$ In. Mesh, 2 Ft. Wide, No. 18 Wire; manufactured by the Exhibitors. Price 3½d. a yard.

1593—Sample of Galvanized Netting, $2\frac{1}{4}$ In. Mesh, 2 Ft. Wide, No. 19 Wire; manufactured by the Exhibitors. Price 2½d. a yard.

1594—Sample of Galvanized Netting, 2-In. Mesh, 2 Ft. Wide, No. 17 Wire; manufactured by the Exhibitors. Price 4½d. a yard.

1595—Sample of Galvanized Netting, 2-In. Mesh, 2 Ft. Wide, No. 18 Wire; manufactured by the Exhibitors. Price 3½d. per yard.

1596—Sample of Galvanized Netting, 2-In. Mesh, 2 Ft. Wide, No. 19 Wire; manufactured by the Exhibitors. Price 3d. a yard.

1597—Sample of Galvanized Netting, $1\frac{1}{2}$ -In. Mesh, 2 Ft. Wide, No. 17 Wire; manufactured by the Exhibitors. Price 4½d. a yard.

1598—Sample of Galvanized Netting, $1\frac{1}{2}$ -In. Mesh, 2 Ft. Wide, No. 18 Wire; manufactured by the Exhibitors. Price 4d. a yard.

1599—Sample of Galvanized Netting, $1\frac{1}{2}$ -In. Mesh, 2 Ft. Wide, No. 19 Wire; manufactured by the Exhibitors. Price 3½d. a yard.

1600—Sample of Galvanized Netting, $1\frac{1}{2}$ -In. Mesh, 2 Ft. Wide, No. 17 Wire; manufactured by the Exhibitors. Price 6d. a yard.

1601—Sample of Galvanized Netting, $1\frac{1}{2}$ -In. Mesh, 2 Ft. Wide, No. 18 Wire; manufactured by the Exhibitors. Price 4½d. a yard.

1602—Sample of Galvanized Netting, $1\frac{1}{2}$ -In. Mesh, 2 Ft. Wide, No. 19 Wire; manufactured by the Exhibitors. Price 4d. a yard.

1603—Sample of Galvanized Netting, $1\frac{1}{4}$ -In. Mesh, 2 Ft. Wide, No. 17 Wire; manufactured by the Exhibitors. Price 10½d. a yard.

1604—Sample of Galvanized Netting, $1\frac{1}{4}$ -In. Mesh, 2 Ft. Wide, No. 18 Wire; manufactured by the Exhibitors. Price 7½d. a yard.

1605—Sample of Galvanized Netting, $1\frac{1}{4}$ -In. Mesh, 2 Ft. Wide, No. 19 Wire; manufactured by the Exhibitors. Price 6d. a yard.

1606—Sample of Galvanized Netting, 1-In. Mesh, 2 Ft. Wide, No. 18 Wire; manufactured by the Exhibitors. Price 9d. a yard.

1607—Sample of Galvanized Netting, 1-In. Mesh, 2 Ft. Wide, No. 19 Wire; manufactured by the Exhibitors. Price 7½d. a yard.

1608—Sample of Galvanized Netting, $\frac{3}{4}$ -In. Mesh, 2 Ft. Wide, No. 18 Wire; manufactured by the Exhibitors. Price 1s. a yard.

1609—Wrought-Iron Field Gate and Posts, No. 39; manufactured by the Exhibitors. Price £3 5s.

1610—Wrought-Iron Field Gate and Posts, No. 40; manufactured by the Exhibitors. Price £3 7s. 6d.

1611—Wrought-Iron Field Gate for Wood or Stone Posts, No. 41; manufactured by the Exhibitors. Price £1 7s. 6d.

1612—Wrought-Iron Field Gate and Posts, No. 301; manufactured by the Exhibitors. Price £3 10s. 6d.

1613—Wrought-Iron Field Gate and Posts, with Tubular Bars, No. 302; manufactured by the Exhibitors. Price £4 7s. 6d.

1614—Wrought-Iron Field Gate and Posts, No. 56; manufactured by the Exhibitors. Price £4 5s.

1615—Pair of Wrought-Iron Field Gates and Posts, No. 57; manufactured by the Exhibitors. Price £4.

1616—Wrought-Iron Gate and Side Gate, with Fluted Pillars, No. 43; manufactured by the Exhibitors. Price £15. Larger gate and two pillars, only £9 10s.

1617—Wrought-Iron Gate and Posts, No. 43 A; manufactured by the Exhibitors. Price £7.

1618—Wrought-Iron Unclimbable Gate, No. 48; manufactured by the Exhibitors. Price £5 2s. 6d.

1619—Pair of Wrought-Iron Unclimbable Gates, No. 60, and Posts; manufactured by the Exhibitors. Price £5 10s.

1620—Wrought-Iron Tubular Gate and Pillars, No. 44B; manufactured by the Exhibitors. Price £6 10s.; if without pillars, £2 15s.

1621—Wrought-Iron Gate, No. 44, for Stone Posts; manufactured by the Exhibitors. Price £4.

1622—Wrought-Iron Gate and Posts, No. 44A; manufactured by the Exhibitors. Price £8 10s.; if without pillars, £5.

1623—Strong Wrought-Iron Tubular Gate, for Wood Posts; manufactured by the Exhibitors. Price £1.

1624—Wrought-Iron Circular Rick Stand, 12 Ft. Diam.; manufactured by the Exhibitors. Price £4 2s. 6d.

1625—Wrought-Iron Oblong Rick Stand, 12 Ft. by 10 Ft.; manufactured by the Exhibitors. Price £4 12s. 6d.

1626—Iron Piggery, with Oscillating Trough and Railing complete; manufactured by the Exhibitors. Price £15.

1627—Cast-Iron Circular Pig Trough, 3 Ft. Diam.; manufactured by the Exhibitors. Price £1 15s. 6d.

1628—Improved Cast-Iron Double Pig Trough, 3 Ft. Long by 15 In. Wide; manufactured by the Exhibitors. Price 13s. 6d.

1629—Improved Oscillating Pig Trough; manufactured by the Exhibitors. Price £4 4s.

1630—Improved Norfolk Pig Trough, 4 Ft. Long, 10 In. Wide; manufactured by the Exhibitors. Price 17s. 6d.

1631—Wrought-Iron Galvanized Sheep Trough, on Wheels; manufactured by the Exhibitors. Price £1 15s.

1632—Wrought-Iron Sheep Rack, on Wheels, No. 2; manufactured by the Exhibitors. Price £4 10s.

1633—Sample of Galvanized Poultry Fencing, 6 Ft. High; manufactured by the Exhibitors. Price 6s. 6d. a yard; doors, 4s. each.

1634—Sample of Galvanized Poultry Fencing, 7 Ft. High; manufactured by the Exhibitors. Price 7s. a yard; doors, 4s. 6d. each.

1635—Samples of Wrought-Iron Stakes for Supporting Wire Netting; manufactured by the Exhibitors. Price according to height.

1636—Sample of Wrought-Iron Continuous Espalier; manufactured by the Exhibitors. Price from 2s. 9d. a yard.

1637—Samples of Espalier Fittings for Garden Walls, &c.; manufactured by the Exhibitors. Price: Galvanized eyes, 4d. a dozen; terminal holdfasts, 1s. 9d. a dozen; raidisseurs, 3s. a dozen; eye-bolts, 3s. a dozen; No. 14 galvanized wire, 2s. per 100 yards; No. 13 galvanized wire, 2s. 6d. per 100 yards.

1638—Improved 36-Gallon Water Barrow; manufactured by the Exhibitors. Price £2 17s. 6d.

1639—Wrought-Iron Heating Barrow; manufactured by the Exhibitors. Price £3.

1640—Wrought-Iron Wheelbarrow for General Purposes, No. 1; manufactured by the Exhibitors. Price £1 7s. 6d.

1641—Rotary Gravel Screen, on Wheels; manufactured by the Exhibitors. Price £6 16s.

1642—Wrought-Iron Tree Guard, No. 1; manufactured by the Exhibitors. Price 15s. each.

1643—Wrought-Iron Tree Guard, No. 2; manufactured by the Exhibitors. Price 18s. each.

1644—Wrought-Iron Tree Guard, No. 3; manufactured by the Exhibitors. Price £1 1s. each.

1645—Wrought-Iron Tree Guard, No. 4; manufactured by the Exhibitors. Price £1 4s.

1646—Wrought-Iron Tree Guard, No. 5; manufactured by the Exhibitors. Price £1.

1647—Wrought-Iron Tree Guard, No. 6A; manufactured by the Exhibitors. Price 12s. each.

1648—Wrought-Iron Tree Guard, No. 7A; manufactured by the Exhibitors. Price 12s. 6d. each.

1649—Cheap Wrought-Iron Tree Guard (New Pattern); manufactured by the Exhibitors. Price 7s. 6d.

1650—Pair of Elaborate Wrought-Iron Entrance Gates; manufactured by the Exhibitors. Price £120.

1651—Pair of Wrought-Iron Entrance Gates and Pillars, No. 45; manufactured by the Exhibitors. Price £9 10s.

1652—Pair of Wrought-Iron Entrance Gates and Pillars, No. 46; manufactured by the Exhibitors. Price £22.

1653—Pair of Wrought-Iron Entrance Gates and Pillars; No. 50b; manufactured by the Exhibitors. Price £22; locks extra.

1654—Pair of Wrought-Iron Entrance Gates (New Pattern); manufactured by the Exhibitors. Price £10 10s.

1655—Pair of Wrought-Iron Entrance Gates (New Pattern); manufactured by the Exhibitors. Price £15.

1656—Sample of Ornamental Wicket Gate and Railing; manufactured by the Exhibitors. Price according to height.

1657—Sample of Ornamental Wicket Gate and Railing ; manufactured by the Exhibitors. Price, according to height.

1658—Wrought-Iron Wicket Gate and Posts, No. 53 ; manufactured by the Exhibitors. Price £2.

1659—Wrought-Iron Wicket Gate, and Wrought-Iron Posts, No. 54 ; manufactured by the Exhibitors. Price £1 5s.

1660—Wrought-Iron Wicket Gate, and Cast-Iron Posts, No. 15 ; manufactured by the Exhibitors. Price £2 10s.

1661—Wrought-Iron Wicket Gate and Cast-Iron Posts, No. 16 ; manufactured by the Exhibitors. Price £2 15s.

1662—Sample of Wrought-Iron Dog Kennel Railing, 5 Ft. High ; manufactured by the Exhibitors. Price, according to specification.

1663—Sample of Wrought-Iron Dog Kennel Railing, 7 Ft. High ; manufactured by the Exhibitors. Price, according to specification.

1664—Sample of Galvanized Hay, Barn, and Rick Frame for same ; manufactured by the Exhibitors. Price, according to specification.

Stand No. 73.—*Piggott Brothers, of 59, Bishopsgate Street Without, London, E.C.*

Article 1665—Rick Cloth, 10 Yards by 10 Yards, for 30 Loads ; manufactured by the Exhibitors. Price £12 10s. Made of the best quality sail canvas.

1666—Rick Cloth, 10 Yards by 10 Yards, for 30 Loads ; manufactured by the Exhibitors. Price £7 10s. Made of the best tarpaulin canvas.

1667—Waterproof Hay Sheet, 21 Ft. by 10 Ft. ; manufactured by the Exhibitors. Price £2 12s. 6d. Improved waterproof hay sheet, either black, brown, or yellow.

1668—Waterproof Horse Cloths ; manufactured by the Exhibitors. Price from 7s. 6d. to 9s. 6d. each. Improved waterproof canvas horse cloths, lined with wool, with straps and thongs.

1669—Assortment of Stable Cloths ; manufactured by the Exhibitors. Price from 9s. 6d. to 12s. 6d.

1670—Waterproof Canvas Engine Cover ; manufactured by the Exhibitors. Price £1 16s. Improved waterproof canvas engine cover, 18 ft. by 12 ft.

1671—4-Bushel Corn Sacks ; manufactured by the Exhibitors. Price from 11d. to 15d. each.

1672—Assortment of Net Hammocks ; manufactured by the Exhibitors. Price 10s. 6d., 12s. 6d., and 15s.

1673—New Garden Pavilion ; manufactured by the Exhibitors. Price £18.

1674—Tent, 9 Ft. by 9 Ft. ; manufactured by the Exhibitors. Price £6. Ritchie's patent portable white canvas summer house.

1675—Croquet Tent, 12 Ft. by 8 Ft., manufactured by the Exhibitors. Price £5.

1676—Seed Bags ; manufactured by the Exhibitors. Price 5s., 7s., 9s. 9d. per dozen.

1677—Assortment of Nose Bags ; manufactured by the Exhibitors. Price from 9d. to 4s. each.

1678—Halter Reins ; manufactured by the Exhibitors. Price 5s. per dozen.

1679—Horse Hammock ; manufactured by the Exhibitors. Price £1 5s. Canvas horse hammock for raising sick horse, complete, with poles, &c.

1680—Garden Tables, manufactured by the Exhibitors. Price 14s. 6d. and 16s. 6d.

1681—Netting for Fruit Trees ; manufactured by the Exhibitors. Price 6s., 12s., and 23s. per 100 yds.

1682—Assortment of India-Rubber Coats ; manufactured by the Exhibitors. Price from 10s. 6d.

1683—Assortment of Flags ; manufactured by the Exhibitors. Price from 4s.

1684—Lawn Marquee, 12 Ft. by 7 Ft. ; manufactured by the Exhibitors. Price £5 10s.

1685—8 Ft. Square Tent (White) with Frame, no Centre Pole ; manufactured by the Exhibitors. Price £6.

1686—Emigration and Prospecting Tent ; manufactured by the Exhibitors. Price £6 6s.

1687—Assortment of Folding Garden Chairs ; manufactured by the Exhibitors. Price 7s. 6d. to 21s.

Stand No. 74.—*Francis Morton and Co. (Limited), of Naylor Street Iron Works, Liverpool.*

Article 1688—Fence, No. 1 ; manufactured by the Exhibitors. Price 7½d. per yard.

1689—Fence, No. 2 ; manufactured by the Exhibitors. Price 9½d. per yard.

1690—Fence, No. 3 ; manufactured by the Exhibitors. Price 1s. 2½d. per yard.

1691—Fence, No. 4 ; manufactured by the Exhibitors. Price 1s. 7½d. per yard.

1692—Fence, No. 5 ; manufactured by the Exhibitors. Price 1s. 10½d. per yard. With the Company's patent galvanized oval standards.

1693—Fence, No. 6 ; manufactured by the Exhibitors. Price 2s. per yard.

1694—Fence, b ; manufactured by the Exhibitors. Price 2s. 4d. per yard.

1695—Fence, c ; manufactured by the Exhibitors. Price 2s. 4½d. per yard.

1696—Fence d ; manufactured by the Exhibitors. Price 2s. 5½d. per yard.

1697—Fence e 6 ; manufactured by the Exhibitors. Price 3s. 11d. per yard.

1698—Espalier Trainer ; manufactured by the Exhibitors. Price 1s. 7½d. per yard.

1699—Premium Field Gate, No. 10 ; manufactured by the Exhibitors. Price £1 10s. 6d. each.

1700—Premium Field Gate, No. 10, with Cast Centre; manufactured by the Exhibitors. Price: Gate, £1 13s. 6d. each; posts for same, £2 10s. per pair.

1701—Field Gate, No. 11; manufactured by the Exhibitors. Price £1 8s. each; posts for same, £2 10s. per pair.

1702—Field Gate, No. 12; manufactured by the Exhibitors. Price £1 5s. each.

1703—Field Gate, No. 13; manufactured by the Exhibitors. Price £1 11s. each; posts for same, £2 3s. 6d. per pair.

1704—Field Gate, No. 14; manufactured by the Exhibitors. Price £1 9s. each; posts for same, £2 3s. 6d. per pair.

1705—Unclimbable Gate, No. 16; manufactured by the Exhibitors. Price £2 3s. 6d. each.

1706—Wicket Gate, No. 40; manufactured by the Exhibitors. Price £1 5s. each.

1707—Wicket Gate, No. 41; manufactured by the Exhibitors. Price 16s.; posts for same, £1 18s. per pair.

1708—Gate and Sweep, No. 44; manufactured by the Exhibitors. Price £2 5s.

1709—Step Ladder or Stile, No. 50; manufactured by the Exhibitors. Price £1 5s.

1710—Registered Opening Stile; manufactured by the Exhibitors. Price £2 5s.

1711—Entrance Gates, No. 60; manufactured by the Exhibitors. Price £13 5s.

1712—Gates, No. 61; manufactured by the Exhibitors. Price £8 17s. 6d.

1713—Gates, No. 62; manufactured by the Exhibitors. Price £8 7s. 6d.

1714—Set of Avenue Gates, No. 63, with Side Gates and Posts; manufactured by the Exhibitors. Price £10 19s.

1715—Gate, No. 63 A, and Posts; manufactured by the Exhibitors. Price £5.

1716—Gates, No. 64, and Posts; manufactured by the Exhibitors. £6 5s.

1717—Gates, No. 65, and Posts; manufactured by the Exhibitors. Price £6 10s.

1718—Gates, No. 66; manufactured by the Exhibitors. Price £7 15s.

1719—Gates, No. 68; manufactured by the Exhibitors. Price £7 7s.; posts for same, £5 5s. per pair.

1720—Gate, No. 69; manufactured by the Exhibitors. Price £7.

1721—Gate, No. 70; manufactured by the Exhibitors. Price £7 5s.

1722—Gate, No. 72; manufactured by the Exhibitors. Price £17 15s.; pillars for same, £7 each.

1723—Gate No. 73; manufactured by the Exhibitors. Price £18 15s.; pillars for same, £7 5s. each.

1724—Gate, No. 74; manufactured by the Exhibitors. Price £3 5s.; posts for same, £1 12s. per pair.

1725—Gate, No. 76; manufactured by the Exhibitors. Price £22.

1726—Gate, No. 77; manufactured by the Exhibitors. Price £12 15s.

1727—Gate, No. 77 A, with Posts; manufactured by the Exhibitors. Price £10.

1728—Gate, No. 77 B; manufactured by the Exhibitors. Price £14 15s.

1729—Gate, No. 78; manufactured by the Exhibitors. Price £15.

1730—Wicket Gate, No. 80, with Posts; manufactured by the Exhibitors. Price £2 12s. 6d.

1731—Wicket Gate, No. 81, with Posts; manufactured by the Exhibitors. Price £2 15s.

1732—Wicket Gate, No. 82, with Posts; manufactured by the Exhibitors. Price £2 15s.

1733—Wicket Gate, No. 83, with Posts; manufactured by the Exhibitors. Price £2 15s.

1734—Wicket Gate, No. 84, with Posts; manufactured by the Exhibitors. Price £2 17s. 6d.

1735—Wicket Gate, No. 85, with Posts; manufactured by the Exhibitors. Price £3.

1736—Wicket Gate, No. 86, with Posts; manufactured by the Exhibitors. Price £3.

1737—Wicket Gate, No. 87, with Posts; manufactured by the Exhibitors. Price £3 2s. 6d.

1738—Wicket Gate, No. 88, with Posts; manufactured by the Exhibitors. Price £4 7s. 6d.

1739—Wicket Gate, No. 89, with Posts; manufactured by the Exhibitors. Price £3 17s. 6d.

1740—Wicket Gate, No. 90, with Posts; manufactured by the Exhibitors. Price £2 17s. 6d.

1741—Wicket Gate, No. 91, with Posts; manufactured by the Exhibitors. Price £2 15s.

1742—Wicket Gate, No. 92, with Posts; manufactured by the Exhibitors. Price £4 1s. 6d.

1743—Wicket Gate, No. 93, with Posts; manufactured by the Exhibitors. Price £4 4s.

1744—Wicket Gate, No. 94, with Posts; manufactured by the Exhibitors. Price £5.

1745—Wicket Gate, No. 95, with Posts; manufactured by the Exhibitors. Price £4 17s. 6d.

1746—Hurdle, No. 1; manufactured by the Exhibitors. Price £8 13s. 6d. per ton.

1747—Hurdle, No. 2; manufactured by the Exhibitors. Price £8 12s. 6d. per ton.

1748—Hurdle, No. 3; manufactured by the Exhibitors. Price £8 6s. per ton.

1749—Hurdle, No. 4; manufactured by the Exhibitors. Price £8 2s. per ton.

1750—Hurdle, No. 5 ; manufactured by the Exhibitors. Price £8 14s. per ton.

1751—Hurdle, No. 6 ; manufactured by the Exhibitors. Price £8 12s. per ton.

1752—Hurdle, No. 7 ; manufactured by the Exhibitors. Price £9 19s. 6d. per ton.

1753—Hurdle, No. 8 ; manufactured by the Exhibitors. Price £8 14s. per ton.

1754—Hurdle, No. 9 ; manufactured by the Exhibitors. Price £8 15s. per ton.

1755—Hurdle, No. 10 ; manufactured by the Exhibitors. Price £8 9s. per ton.

1756—Hurdle, No. 11 ; manufactured by the Exhibitors. Price £8 7s. per ton.

1757—Hurdle, No. 12 ; manufactured by the Exhibitors. Price £8 9s. per ton.

1758—Hurdle, No. 13 ; manufactured by the Exhibitors. Price £7 17s. 6d. per ton.

1759—Hurdle, No. 14 ; manufactured by the Exhibitors. Price £7 17s. 6d. per ton.

1760—Unclimbable Railing, No. 28 ; manufactured by the Exhibitors. Price 4s. 6d. per yard.

1761—Unclimbable Railing, No. 28, Extra Strong ; manufactured by the Exhibitors. Price 5s. 5d. per yard.

1762—Unclimbable Railing, No. 28, with $\frac{5}{8}$ in. Square Bars ; manufactured by the Exhibitors. Price 6s. 5d. per yard.

1763—Unclimbable Railing, No. 29 A ; manufactured by the Exhibitors. Price 4s. 10d. per yard.

1764—Palisading, No. 201 ; manufactured by the Exhibitors. Price 5s. 6d. per yard.

1765—Palisading, No. 202 ; manufactured by the Exhibitors. Price 5s. 6d. per yard.

1766—Palisading, No. 203 ; manufactured by the Exhibitors. Price 6s. per yard.

1767—Palisading, No. 204 ; manufactured by the Exhibitors. Price 7s. per yard.

1768—Palisading, No. 250 ; manufactured by the Exhibitors. Price £1 3s. 1d. per yard.

1769—Palisading, No. 260 ; manufactured by the Exhibitors. Price 12s. 7d. per yard.

1770—Palisading, No. 272 ; manufactured by the Exhibitors. Price 11s. 4d. per yard.

1771—Palisading, No. 273 ; manufactured by the Exhibitors. Price 14s. 6d. per yard.

1772—Palisading, No. 377 ; manufactured by the Exhibitors. Price 10s. 10d. per yard.

1773—Palisading, No. 379 ; manufactured by the Exhibitors. Price 12s. 8d. per yard.

1774—Palisading, No. 380 ; manufactured by the Exhibitors. Price 9s. per yard.

1775—Dog Kennel Railing; manufactured by the Exhibitors. Price 8s. 9d. per yard.

1776—Posts and Gate for Dog Kennel Railing; manufactured by the Exhibitors. Price £2 4s.

1777—Galvanized Tiles; manufactured by the Exhibitors. Price £14 5s. per ton.

1778—Corrugated Iron Sheets; manufactured by the Exhibitors. Price from £11 10s. to £13 15s. per ton.

1779—Galvanized-Iron Ridge Capping; manufactured by the Exhibitors. Price 4½d. per foot run.

1780—Galvanized-Iron Cresting, Nos. 11, 12, 14, 15, and 18; manufactured by the Exhibitors. Price from 5½d. to 6½d. per foot run.

1781—(*New Implement.*)—Patent Thatch Substitute; manufactured by the Exhibitors. Price 6s. 9d. per foot run. For stack 20 ft. wide, 50 ft. long.

1782—Galvanized Corrugated Iron Hay Barn Roof on Iron Supports; manufactured by the Exhibitors. Price £1 2s. 6d. per foot run of roof. 20 ft. span, 50 ft. long, including columns 20 ft. high.

1783—Ornamental Hurdle, No. 33; manufactured by the Exhibitors. Price 5s. 7d. per yard.

1784—Ornamental Hurdle, No. 34; manufactured by the Exhibitors. Price 5s. 7d. per yard.

1785—Ornamental Hurdle, No. 35; manufactured by the Exhibitors. Price 6s. 7d. per yard.

1786—Ornamental Hurdle, No. 36; manufactured by the Exhibitors. Price 6s. 5d. per yard.

Stand No. 75.—*Hydes and Wigfull (Limited), of the Stanley Works, Sheffield.*

Article 1787—Specimen of Wrought-Iron Continuous Deer Park Fencing, No. 1; manufactured by the Exhibitors. Price 3s. 3d. per yard. Fence 6 ft. high with 8 horizontal bars; top one, $\frac{5}{8}$ in. diam., and others, 1 in. by $\frac{1}{2}$ in. flat; standards, 4 ft. apart; joining standards, 1½ in. by $\frac{3}{8}$ in.; intermediate do. 1½ in. by $\frac{3}{8}$ in.

1788—Specimen of Wrought-Iron Continuous Deer Park Fencing, No. 2; manufactured by the Exhibitors. Price 3s. 6d. per yard. Fence 6 ft. high, with 8 horizontal bars, all $\frac{5}{8}$ in. diam.; standards, 4 ft. apart; joining standards, 1½ in. by $\frac{3}{8}$ in.; intermediate do., 1½ in. by $\frac{3}{8}$ in.

1789—Specimen of Wrought-Iron Continuous Cattle Fencing, No. 4; manufactured by the Exhibitors. Price 2s. 6d. per yard. Fence 4 ft. high, with 5 horizontal bars; top bars, $\frac{5}{8}$ in. diam.; others, 1 in. by $\frac{1}{2}$ in. flat; standards, 3 ft. apart; joining standards, 1½ in. by $\frac{3}{8}$ in.; intermediate do., 1½ in. by $\frac{5}{16}$ in.

1790—Specimen of Wrought-Iron Continuous Cattle Fencing, No. 5; manufactured by the Exhibitors. Price 2s. 2d. per yard. Fence 3 ft. 9 in. high, with 5 horizontal bars; top bar, $\frac{5}{8}$ in. diam.; others 1 in. by $\frac{1}{2}$ in. flat; standards, 3 ft. apart; joining standards, 1½ in. by $\frac{3}{8}$ in.; intermediate do., 1½ in. by $\frac{5}{16}$ in.

1791—Specimen of Wrought-Iron Continuous Cattle or Sheep Fencing No. 6; manufactured by the Exhibitors. Price 1s. 11d. per yard. Fence 3 ft. 6 in. high with 5 horizontal bars; top bar, $\frac{5}{8}$ in. diam.; others,

1 in. by $\frac{1}{4}$ in. flat; standards, 3 ft. apart; joining standards, $1\frac{1}{2}$ in. by $\frac{5}{8}$ in.; intermediate do., $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.

1792—Specimen of Wrought-Iron Continuous Cattle Fencing, No. 7; manufactured by the Exhibitors. Price 3s. 1d. per yard. Fence 4 ft. 6 in. high; with 6 horizontal bars; top bar, $\frac{1}{2}$ in. diam., and others $\frac{3}{8}$ in. diam.; standards, 4 ft. apart; joining standards, $1\frac{1}{2}$ in. by $\frac{3}{8}$ in.; intermediate do. $1\frac{1}{2}$ in. by $\frac{3}{8}$ in.

1793—Specimen of Wrought-Iron Continuous Cattle Fencing, No. 9; manufactured by the Exhibitors. Price 2s. 3d. per yard. Fence 3 ft. 9 in. high, with 5 bars, all $\frac{3}{8}$ in. diam.; standards, 3 ft. apart; joining standards, $1\frac{1}{2}$ in. by $\frac{3}{8}$ in.; intermediate do., $1\frac{1}{2}$ in. by $\frac{5}{8}$ in.

1794—Specimen of Wrought-Iron Continuous Cattle or Sheep Fencing, No. 10; manufactured by the Exhibitors. Price 1s. 9d. per yard. Fence 3 ft. 6 in. high, with 5 horizontal bars; top bar, $\frac{3}{8}$ in. diam., and others $\frac{1}{2}$ in. diam.; standards, 3 ft. apart; joining standards, $1\frac{1}{2}$ in. by $\frac{5}{8}$ in.; intermediate do., $1\frac{1}{2}$ in. by $\frac{1}{4}$ in. The patented system of fastening the horizontal bars in these fences holds the vertical bars immovably secure.

1795—Specimen Wrought-Iron Sheep Hurdle, No. 4; manufactured by the Exhibitors. Price 1s. 7d. per yard. Hurdle 3 ft. 6 in. high, with 4 bars, $\frac{1}{2}$ in. diam.; uprights, $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.

1796—Specimen Wrought-Iron Cattle Hurdle, No. 5; manufactured by the Exhibitors. Price 2s. 2d. per yard. Hurdle 3 ft. 7 in. high, with 5 bars; two bars, $\frac{3}{8}$ in. diam., and 3 bars, $\frac{1}{2}$ in. diam.; end uprights, $1\frac{1}{2}$ in. by $\frac{3}{8}$ in.; centre do., $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.

1797—Specimen Wrought-Iron Ox Hurdle, No. 6; manufactured by the Exhibitors. Price 2s. 10d. per yard. Hurdle 3 ft. 9 in. high, with 5 bars; top bar, $\frac{3}{8}$ in. diam., and others, $\frac{3}{8}$ in. diam.; end uprights, $1\frac{1}{2}$ in. by $\frac{3}{8}$ in.; centre do., $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.

1798—Specimen Wrought-Iron General Purpose Hurdles, No. 7; manufactured by the Exhibitors. Price 2s. 1d. per yard. Hurdle 3 ft. 6 in. high, with 6 bars; two bars, $\frac{3}{8}$ in. diam.; and 4 bars, $\frac{1}{2}$ in. diam.; end uprights, $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.; centre uprights, $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.

1799—Specimen Wrought-Iron Hurdle, No. 8; manufactured by the Exhibitors. Price 2s. 7d. per yard. Hurdle 3 ft. 6 in. high, with 5 bars; top bar, $\frac{3}{8}$ in., and others, 1 in. by $\frac{1}{4}$ in. flat; uprights, $1\frac{1}{2}$ in. by $\frac{5}{8}$ in.

1800—Specimen Wrought-Iron Ox Hurdle, No. 10; manufactured by the Exhibitors. Price 3s. per yard. Hurdle 3 ft. 6 in. high, with 5 bars; top bar, $\frac{3}{8}$ in., and others, $\frac{3}{8}$ in. diam.; with 4 uprights, $1\frac{1}{2}$ in. by $\frac{5}{8}$ in.

1801—Specimen Wrought-Iron Ox Hurdle, No. 12; manufactured by the Exhibitors. Price 3s. 9d. per yard. Hurdle 4 ft. high, with 6 bars; top bar, $\frac{3}{8}$ in. diam.; and others $\frac{3}{8}$ in. diam.; with 4 uprights, $1\frac{1}{2}$ in. by $\frac{3}{8}$ in.

1802—Specimen Wrought-Iron Unclimbable Hurdle, No. 13; manufactured by the Exhibitors. Price 4s. 2d. per yard. Hurdle 4 ft. high, with 13 vertical bars, $\frac{3}{8}$ in. diam.; end uprights and horizontal bars, $1\frac{1}{2}$ in. by $\frac{5}{8}$ in.

1803—Specimen Wrought-Iron Sheep-Folding Hurdle, on Wheels, No. 19; manufactured by the Exhibitors. Price 21s. each. Hurdle 12 ft. long by 3 ft. 6 in. high, with 5 bars.

1804—Specimen Wrought-Iron Sheep-Folding and Rack Feeding Hurdle, No. 20; manufactured by the Exhibitors. Price 6s. 6d. each.

1805—Specimen Wrought-Iron Footpath Gate or Turnstile, No. 1; manufactured by the Exhibitors. Price £2 2s. 6d. With cast-iron pillar.

1806—Specimen Wrought-Iron Footpath Gate or Turnstile, No. 2; manufactured by the Exhibitors. Price £2 12s. each. With cast-iron pillar.

1807—Specimen Wrought-Iron Braced Field Gate, No. 15; manufactured by the Exhibitors. Price £1 5s. each. Gate 9 ft. wide by 3½ ft. high, with flat or round bars; with wrought-iron pillars, £2 10s. each.

1808—Specimen Wrought-Iron Braced Field Gate, No. 16; manufactured by the Exhibitors. Price £1 10s. each. Gate 9 ft. wide by 3½ ft. high, with flat or round bars; with cast-iron pillars, £2 17s. 6d. each.

1809—Specimen Strong Wrought-Iron Braced Field Gate, No. 18; manufactured by the Exhibitors. Price £1 10s. each. Gate 9 ft. wide by 4 ft. high, with flat bars; with cast-iron pillars, £2 17s. 6d. each.

1810—Specimen Very Strong Wrought-Iron Field Gate, No. 20; manufactured by the Exhibitors. Price £1 17s. 6d. each. Gate 9 ft. wide by 4 ft. high, with round bars, and double diagonal stays; with cast-iron pillars, £3 7s. 6d. each.

1811—Specimen Extra Strong Wrought-Iron Field Gate, No. 21; manufactured by the Exhibitors. Price £2. Gate 9 ft. wide by 4 ft. high, with flat bars, strongly braced; with cast-iron pillars, £3 7s. 6d. each.

1812—Specimen Extra Strong and Ornamental Park or Entrance Gate, No. 22; manufactured by the Exhibitors. Price £9 each. Gate 10 ft. wide by 4½ ft. high, made of tubular-iron, and with ornamental basket top, wirework laced in. With cast-iron pillars, £13 10s. each.

1813—Specimen Wrought-Iron Carriage Entrance Gate; manufactured by the Exhibitors. Price £12 10s. Gate 10 ft. wide by 5 ft. 9 in. high, made of extra strong iron, and with 4 diagonals, and ornamented with scrolls and roses. If with strong cast-iron posts, £17 10s.

1814—Specimen Wrought-Iron Carriage Entrance Gates, No. 28; manufactured by the Exhibitors. Price £15 per pair. Gates 10 ft. wide by 5 ft. high, for hanging to stone piers.

1815—Specimen Wrought-Iron Tree Guard, No. 1; manufactured by the Exhibitors. Price 9s. 6d. each. Guard 1 ft. diam. by 5 ft. high.

1816—Specimen Wrought-Iron Tree Guard, No. 3; manufactured by the Exhibitors. Price 19s. each. Guard 4 ft. diam. by 5 ft. high.

1817—Specimen Wrought-Iron Tree Guard, No. 4; manufactured by the Exhibitors. Price 17s. 6d. each. Guard 4 ft. diam. by 5 ft. high.

1818—Specimen Wrought-Iron Tree Guard, No. 5; manufactured by the Exhibitors. Price 14s. 6d. each. Guard 2 ft. diam. by 6 ft. high.

1819—Specimen Wrought-Iron Tree Guard, No. 6; manufactured by the Exhibitors. Price 16s. 9d. each. Guard 2½ ft. diam. by 5 ft. high.

1820—Specimen Length of Galvanized Wire Strained Fencing, No. 1; manufactured by the Exhibitors. Price 11d. per yard. Fence 3 ft. 6 in. high, with 6 lines, 7-ply galvanized wire strand. Two top ones No. 4, and 4 others No. 6 gauge, with standards 12 ft. apart; and one improved wrought-iron straining post every 150 yards. If with solid wires, 9½d. per yard.

1821—Specimen Length of Galvanized Wire Strained Fencing, No. 2; manufactured by the Exhibitors. Price 1s. 4d. per yard. Fence 4 ft. high, with 7 lines, 7-ply galvanized wire strand. Two top ones No. 4,

and 5 others No. 6 gauge; strong uprights 12 ft. apart, and intermediate uprights to take 4 lower wires and one patent winding straining pillar every 200 yards. If with solid wires, 1s. 2d. per yard.

1822—Specimen of Galvanized Wire Sheep or Game-Netting; Price from 3d. per yard.

1823—Bennison's Patent Liquid Manure Pump and Garden Engine, No. 200; manufactured by the Exhibitors. Price £7 15s. each. With oak tub to hold 25 gallons.

1824—Bennison's Patent Liquid Manure Pump and Garden Engine, No. 250; manufactured by the Exhibitors. Price £5 5s. With galvanized-iron tub to hold 16 gallons.

1825—Specimen of Bennison's Patent Sewage Pumps for Hand, Horse, or Steam Power. Price from £5 to £90.

Stand No. 76.—*George Neighbour and Sons, of 149, Regent Street, and 127, High Holborn, London.*

Article 1826—Unicomb Observatory Bee-Hive; manufactured by the Exhibitors. Price £5 10s.; bees included. Stocked with living yellow Italian Alpine bees, exposed to the light of day, allowing of easy inspection of the queen bee.

1827—Small Single-Comb Colony of Bees, with Italian Alpine Queen; manufactured by the Exhibitors. Price £1 5s. A glass case to take one bar-frame from movable comb. Hive adapted for exhibition at lectures or flower shows.

1828—Philadelphia Frame Hive; manufactured by the Exhibitors. Price £2 2s. Complete with roof, stand, and super. The improvement in this hive over other bar-frame hives consists in the opportunity afforded by the side opening of extracting combs from the stock-hive whilst the supers are on.

1829—Collateral Philadelphia Bar-Frame Hive; manufactured by the Exhibitors. Price £2 5s. Much the same in construction as the preceding, with the advantage of being able to take out frames at both ends, and has divisions portioned off by the new queen, and drone excluders, so that deprivation can be accomplished from the stock-hive without the honey being deteriorated by admixture of brood and bee-bread.

1830—Cottager's Frame Hive; manufactured by the Exhibitors. Price 7s. 6d. This hive has 9 bar-frames, and is the lowest priced hive on the new principle.

1831—Cottage Frame Hive; manufactured by the Exhibitors. Price 12s. 6d. This hive is the same in size as the preceding, with the advantage of a large window at back, a straw crown (which is very serviceable for ventilation in winter), and a dummy frame to afford increased facility for extracting the combs.

1832—Bar-Frame Hive of Straw and Wood. Price £1 5s. The construction of this hive is more substantial than the two preceding hives, which it much resembles in its arrangements, and is peculiarly attractive from its neat and finished appearance.

1833—Improved Cottage Hive; manufactured by the Exhibitors. Price £1 15s. Neatly and strongly made of straw, working three bell-glasses from which honey can be taken without the destruction of the bees. There are three windows in the stock-hive, so that an inspection of the hive can be made at all seasons of the year.

1834—Improved Cottage Hive; manufactured by the Exhibitors. Price £1 5s. Very similar to the above, but without windows in the lower hive.

1835—Cottager's Hive. Price 10s. 6d. Made wholly of straw, with wooden floor board. Consisting of a flat-topped hive, a super (to contain about 10 lbs. of honey), and a cover for obtaining virgin honey without the destruction of the bees.

1836—Cottager's Hive. Price 5s. 6d. A straw hive and super, with floor board. The cheapest complete hive on the humane system. Well adapted for the labouring classes.

1837—Improved Cottage Bee-Hive; manufactured by the Exhibitors. Price £1 1. This hive is made of straw, has one window at the back for inspection, and has a glass super to contain about 9 lbs. of honey, which is worked in a mahogany adapting board.

1838—Lanarkshire Hive; manufactured by Wm. Thomson, of Blantyre, N.B. Price 16s. 6d. The stock-hive measures 16½ in. by 17½ in., is 9 in. high, and contains 11 frames and a division board or dummy. The frames are kept apart with wooden slides, as in the Stewarton hive. There is an arrangement for fixing the way sheets or guides, and each frame has a false bar above it as a roof.

1839—Cheap Bar-Frame Hive, with Cover and Super. Price 12s. 6d. This hive is constructed for cottagers' use, and is complete in itself, except requiring a stand.

1840—Disqualified—informal entry.

1841—Ladies' Observatory or Crystal Hive; manufactured by the Exhibitors. Price £2 5s. Well adapted for a room or conservatory where an opening can be made for the egress and ingress of the bees; so that the bees may be watched inside without any liability of coming in contact with them. The stock-hive is of glass, as is also the super; the whole being covered with a deep straw hive.

1842—Crystal Palace Straw Skep; manufactured by the Exhibitors. Price 4s. 6d. A large hive, 16 in. wide and 9 in. deep inside; has straight sides, and a flat top with round hole for working a super.

1843—Renfrewshire Stewarton Hive. Price £1 8s. A wooden octagon hive of three "Body" boxes, with floor board and a honey-box. The improvement on previous Stewarton hives consists in the movability of the combs. The four centre bars in each of the body boxes are furnished with frames.

1844—Honey Extractor; manufactured by the Exhibitors. Price £3 2s. Is for extracting honey from the combs by centrifugal motion. The frames of comb are taken from a hive, and after uncapping the cells with a knife constructed for the purpose, are placed within the wire cages. A few quick turns is sufficient to eject the honey, which runs out at the treacle-tap at the base.

1845—Divisional Super; manufactured by the Exhibitors. Price 3s. 6d. As its name implies, the honeycomb is built in divisions, which are removable. Each division is furnished with a wax guide. The two ends are of glass.

1846—Sectional Super; manufactured by the Exhibitors. Price 4s. 6d. Similar to the above, but in sections half the size, with glass sides.

1847—Machine for the Manufacture of Wax Foundations; manufactured by the Exhibitors. Price £6 10s. This machine consists of two rollers of type metal, with rhomboidal impressions like the base of the cells of honeycomb. The impressed wax guides stamped herein form the middle wall or foundation.

1848—Specimens of Impressed Wax Guides; manufactured by the Exhibitors. Price 6s. per dozen. These sheets of wax or artificial comb are made by inserting a dipper in a large vessel of melted wax, and when partially warm they are run between the rollers to receive the impressions, as explained above.

1849—New Feeder for Bees; manufactured by the Exhibitors. Price 5s. Round wood feeder, with glass top. The syrup is poured in and runs to the inner circle, where the bees imbibe the food without any danger of being drowned. It is of simple construction; there is nothing to get out of order.

1850—Round Zinc Bee-Feeder; manufactured by the Exhibitors. Price 4s. This feeder is used on the crown of the hive. The syrup is poured in at the side and runs under a wood float, so that the bees can take the food without becoming immersed.

1851—Perforated Zinc Adapter; manufactured by the Exhibitors. Price 2s. This is placed over the frames of a stock-hive. The working bees freely pass through the openings, but the queen and drones cannot do so. The supers are thus kept free from brood.

1852—Honey Knife; manufactured by the Exhibitors. Price 2s. 6d. Constructed with double ends, so that the honeycomb may be separated either horizontally or perpendicularly from the box or other super.

1853—New Safety Smoker; manufactured by the Exhibitors. Price 5s. 6d. This consists of a long tube, which takes apart in the middle and has bellows underneath. The air is communicated to the tube through an upward valve. When manipulating with bees, smoke is often a necessity. Fungus, decayed wood, rags, or tobacco will burn in it.

1854—Bee-Veil; manufactured by the Exhibitors. Price 2s. 6d. A covering for the face when operating amongst bees, made of strong black net with elastic band to fit round the hat.

1855—Glass Supers for Hives; manufactured by the Exhibitors. Price from 1s. each. These glasses are made in various sizes and shapes.

1856—Italian Queen Bee; imported by the Exhibitors. Price 12s. These are imported from Italy with about 100 worker bees in each box to accompany a queen, which has to be united to an English hive in place of their own queen, by following directions that are given.

Stand No. 77.—*R. E. Crompton, of Mansion House Buildings, London, E.C.*

Article 1857—Complete set of T. H. P. Dennis & Co.'s Patent, Fullway Valves for Steam, Water, and Gas; manufactured by T. H. P. Dennis & Co., of Chelmsford. Price from 5s. to £13 16s.

1858—Set of Ashcroft's Patent Nickel-seated, Incorrodible Safety Valves; manufactured by the Ashcroft's Manufacturing Co., of Boston, U.S.A. Price, 1-in., £4; 1½-in., £5; 1¾-in., £6; 2-in., £8 10s.; 2½-in. £10 10s.

1859—Set of 12 Pipe Castings, for Water, Steam, or Sewage; manufactured by the Stanton Ironworks Co., of Stanton-by-Dale, Nottinghamshire. Price £4 17s. 6d. per ton.

1860—Complete set of Electric Lights Apparatus, including Engine; manufactured by the British Electric Light Co. and Exhibitor. Price £136. Consists of an A-size Gramme Dynamo-Electric Machine, driven direct by a Willan's 3-cylinder engine. One regulator lamp, Crompton's patent; commutators, cable, &c.; ready for fixing.

1861—(*New Implement.*)—"Crompton and Willan's" Patent Regulator Electric Lamp; manufactured by the Exhibitor. Price £7 10s.

1862—(*New Implements.*)—Set of Registered Bath-fittings; designed by Exhibitor, and manufactured by T. H. P. Dennis & Co., of Chelmsford. Price 16s. 6d.

1863—(*New Implement.*)—Patent 2-Ton Deck Winch for Hoisting Purposes; manufactured by T. H. P. Dennis & Co. Price £75. Combines the 3-cylinder Willan's engine with a hoisting crab, with various movements controlled by one handle.

1864—Water-wheel and Pumps, for supply of Estates, Farms, and Mansions; manufactured by the Exhibitor. Price £70.

1865—Sonnenschein's Patent Hygienic School Dual Desk, with Adjustable Seats; manufactured by T. H. P. Dennis & Co. Price £2 5s.

1866—*Disqualified*—*Informal entry.*

Stand No. 78.—*J. and E. Hall, of Dartford Iron Works, Dartford, Kent.*

Article 1867—(*New Implement.*)—Baxter's Patent Automatic Weighing Machine, A; manufactured by the Exhibitors. Price £20. To weigh at each tip a maximum of 25 lbs. of wheat, or about 4 tons per hour.

1868—(*New Implement.*)—Baxter's Patent Automatic Weighing Machine, B; manufactured by the Exhibitors. Price £30. To weigh at each tip a maximum of 50 lbs. of wheat, or about 8 tons per hour.

1869—(*New Implement.*)—Baxter's Patent Automatic Weighing Machine, C; manufactured by the Exhibitors. Price £40. To weigh at each tip a maximum of 100 lbs. of wheat, or about 16 tons per hour.

1870—(*New Implement.*)—Baxter's Patent Automatic Weighing Machine, D; manufactured by the Exhibitors. Price £50. To weigh at each tip a maximum of 150 lbs. of wheat, or about 24 tons per hour.

1871—(*New Implement.*)—Baxter's Patent Automatic Measuring Machine, No. 1; manufactured by the Exhibitors. Price £15. To measure at each tip 1 peck, or about 12 quarters per hour.

1872—(*New Implement.*)—Baxter's Patent Automatic Measuring Machine, No. 2; manufactured by the Exhibitors. Price £25. To measure at each tip $\frac{1}{2}$ bushel, or about 25 quarters per hour.

1873—(*New Implement.*)—Baxter's Patent Automatic Measuring Machine, No. 3; manufactured by the Exhibitors. Price £35. To measure at each tip 1 bushel, or about 50 quarters per hour.

1874—(*New Implement.*)—Mottes' Patent Universal Crushing Machine, No. 3; manufactured by the Exhibitors. Price £85. For reducing the hardest materials, as emery, granite, quartz, flints, cement, clinker, pyrites.

1875—(*New Implement.*)—Mottes' Patent Universal Crushing Machine, No. 5; manufactured by the Exhibitors. Price £5 5s. Small hand-machine for laboratory purposes.

1876—(*New Implement.*)—Mottes' Patent Universal Crushing Machine, No. 6; manufactured by the Exhibitors. Price £3 3s. Small hand-machine for laboratory purposes.

1877—(*New Implement.*) — King's Patent 3-Cylinder Engine; manufactured by the Exhibitors. Price £210. 3-cylinder expansive condensing engine; cylinders 10 in. diam., steam-jacketed with automatic variable expansion gear.

1878 — (*New Implement.*) — Westinghouse's Patent Speed-Governor, No. 2; manufactured by the Exhibitors. Price £40. High-speed governor, with differential cylinder for regulating the speed of engines up to 200 horse-power.

1879—Hedge's Patent "Economic" Engine; manufactured by the Exhibitors. Price £70. 1½ horse-power engine and boiler combined. The boiler can also be heated by gas when required.

Stand No. 79.—*Follows and Bate, of Dutton Street Works, Manchester.*

Article 1880—Patent Cedar-Wood Barrel Churn, No. 1; manufactured for the Exhibitors. Price £1 6s. 6d.

1881—Patent Cedar-Wood Barrel Churn, No. 2; manufactured for the Exhibitors. Price £1 8s.

1882—Patent Cedar-Wood Barrel Churn, No. 3; manufactured for the Exhibitors. Price £1 11s. 6d.

1883—Patent Cedar-Wood Barrel Churn, No. 4; manufactured for the Exhibitors. Price £1 16s. 6d.

1884—Patent Hand-Garden Plough; manufactured by the Exhibitors. Price £2 2s.

1885—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 6-In.; manufactured by the Exhibitors. Price £1 8s. For ventilating stables.

1886—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 8-In.; manufactured by the Exhibitors. Price £1 10s.

1887—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 9-In.; manufactured by the Exhibitors. Price £1 12s.

1888—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 10-In.; manufactured by the Exhibitors. Price £1 17s.

1889—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 12-In.; manufactured by the Exhibitors. Price £2 10s.

1890—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 14-In.; manufactured by the Exhibitors. Price £3.

1891—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 16-In.; manufactured by the Exhibitors. Price £4.

1892—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 18-In.; manufactured by the Exhibitors. Price £5 5s.

1893—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 20-In.; manufactured by the Exhibitors. Price £6.

1894—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 24-In.; manufactured by the Exhibitors. Price £7 15s. For ventilating cow-houses, malt-houses, barracks, factories, school-rooms, chapels, churches, iron foundries, &c. Awarded a Prize Medal at Paris Exhibition, 1878, and used by the British Commission for ventilating the Exhibition Building.

1895—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 1, 30-In.; manufactured by the Exhibitors. Price £10 5s.

1896—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 2, 8-In.; manufactured by the Exhibitors. Price £1 7s. 6d.

1897—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 2, 9-In.; manufactured by the Exhibitors. Price £1 10s.

1898—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 2, 10-In.; manufactured by the Exhibitors. Price £1 13s.

1899—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 4, 10-In. by 3 Ft.; manufactured by the Exhibitors. Price £2. A certain cure for smoky chimneys.

1900—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 4, 11-In. by 3 Ft. 6-In.; manufactured by the Exhibitors. Price £2 12s. 6d.

1901—Patent (Agate Centred) Revolving Archimedean Ventilator, No. 4, 12-In. by 4 Ft.; manufactured by the Exhibitors. Price £3 5s.

1902—Patent Steam Power Ventilator, 18-In.; manufactured by the Exhibitors. Price £12 10s.

1903—Patent "Climax" Lawn Mower, 6-In.; manufactured by the Exhibitors. Price £1 5s.

1904—Patent "Climax" Lawn Mower, 8-In.; manufactured by the Exhibitors. Price £2 10s.

1905—(*New Article*.)—Patent "Croquet" Lawn Mower, 8-In.; manufactured by the Exhibitors. Price £2 15s.

1906—Patent "Croquet" Lawn Mower; 10-In.; manufactured by the Exhibitors. Price £3 10s.

1907—Patent Royal Prize Medal Anglo-American Lawn Mower, 12-In.; manufactured by the Exhibitors. Price £4 10s. The best lawn mower in the world, and has been awarded the First Prize everywhere. Upwards of 42,000 of those celebrated machines in use.

1908—Patent Royal Prize Medal Anglo-American Lawn Mower, 14-In.; manufactured by the Exhibitors. Price £5 10s.

1909—Patent Royal Prize Medal Anglo-American Lawn Mower, 16-In.; manufactured by the Exhibitors. Price £6 10s.

1910—Patent Royal Prize Medal Anglo-American Lawn Mower for Pony, 24-In.; manufactured by the Exhibitors. Price £10 10s.

1911—Patent "Roller" Lawn Mower, 8-In.; manufactured by the Exhibitors. Price £2 10s.

1912—Patent "Roller" Lawn Mower, 10-In.; manufactured by the Exhibitors. Price £3 10s.

1913—Patent "Roller" Lawn Mower, 12-In.; manufactured by the Exhibitors. Price £4 10s.

1914—Patent Lawn Edge Cutter; manufactured by the Exhibitors. Price £2 10s.

1915—Improved Paint Grinding Mill, No. 0; manufactured by the Exhibitors. Price £2 15s.

1916—Improved Paint Grinding Mill, No. 1; manufactured by the Exhibitors. Price £4 4s.

1917—(*New Article*.)—Improved Meat Chopper, 13-In.; manufactured by the Exhibitors. Price £5 5s.

1918—Improved Sausage-Filling Machine, No. 1; manufactured by the Exhibitors. Price £1 1s.

1919—Patent Knife-Cleaning Machine of Improved Construction, No. 3; manufactured by the Exhibitors. Price £2 2s.

1920—Patent Knife-Cleaning Machine of Improved Construction, No. 4; manufactured by the Exhibitors. Price £2 17s. 6d.

1921—Patent Knife-Cleaning Machine of Improved Construction, No. 5; manufactured by the Exhibitors. Price £4 4s.

1922—Newly-Improved Family Knife Cleaner, No. 2; manufactured by the Exhibitors. Price £1 5s.

1923—Newly-Improved Family Knife Cleaner, No. 3; manufactured by the Exhibitors. Price £1 15s.

1924—(*New Article.*)—Newly-Improved Knife Machine, Stand and Cupboard; manufactured by the Exhibitors. £1 10s.

1925—(*New Article.*)—Patent Self-Acting Carboy Pump for Acids (Nichol's Patent); manufactured for the Exhibitors. Price £2 12s. 6d.

Stand No. 80.—*Perkins and Bellamy, of Ross, Herefordshire.*

Article 1926—11-Coulter Patent Paragon Corn Drill, 2-Horse; manufactured by the Exhibitors. Price £26 10s.

1927—Disqualified—informal entry.

1928—Wrought-Iron Water Cart, to Contain 120 Gallons; manufactured by the Exhibitors. Price £14 10s.; Distributor, £1 5s. extra.

1929—2-Row Turnip Drill; manufactured by the Exhibitors. Price £6 6s.

1930—1-Row Turnip Drill, with Back Handles; manufactured by the Exhibitors. Price £6 12s. 6d.

1931—Double Combined Sheep Rack and Trough, "The Salop;" manufactured by the Exhibitors. Price £5 5s.

1932—Galvanized-Iron Shepherd's House or Portable Granary; manufactured by the Exhibitors. Price £19 10s.

1933—Galvanized-Iron Sheep-Dipping Apparatus; manufactured by the Exhibitors. Price £6 10s.

1934—Galvanized-Iron Sheep-Dipping Apparatus, on Wheels; manufactured by the Exhibitors. Price £7 10s.

1935—Galvanized-Iron Sheep Trough, 8 Ft. Long; manufactured by the Exhibitors. Price £1 6s.

1936—Galvanized-Iron Sheep Trough, 9 Ft. Long; manufactured by the Exhibitors. Price £1 8s.

1937—Galvanized-Iron Sheep Trough, 10 Ft. Long; manufactured by the Exhibitors. Price £1 10s.

1938—Galvanized-Iron Sheep Trough, 12 Ft. Long; manufactured by the Exhibitors. Price £1 12s.

1939—Painted Iron Cattle Crib; manufactured by the Exhibitors. Price £2 15s.

1940—Galvanized-Iron Cattle Crib; manufactured by the Exhibitors. Price £3 7s. 6d.

1941—Circular Cattle Crib; manufactured by the Exhibitors. Price £3 12s. 6d.

1942—Wrought-Iron Cattle Trough; manufactured by the Exhibitors. Price £3 5s.

1943—Combined Feeder, "The Monmouth." Price £1 10s.

1944—Combined Feeder, with Galvanized Cover. Price £2 5s.

1945—Seat; manufactured by the Exhibitors. Price £1 4s.

1946—Calf Crib; manufactured by the Exhibitors. Price £2 17s. 6d.

1947—Feeder; manufactured by the Exhibitors. Price 6s. 6d.

1948—Feeder; manufactured by the Exhibitors. Price 8s. 6d.

1949—9-Ft. Galvanized Trough, without Top Rail; manufactured by the Exhibitors. Price £1 6s.

1950—Water Barrow; manufactured by the Exhibitors. Price £3 5s.

Stand No. 81.—*Ernest, Charles, and James Keay, of the Cyclops Works, West Bromwich, Staffordshire.*

Article 1951—6-Horse-Power Vertical Multitubular Boiler; manufactured by the Exhibitors. Price £28. Made of *В В Н* best plates. Sixteen tubes, 2½ in. diam., of Russell & Son's manufacture, constructed on most modern principles. Very suitable for farmers and colonists, no brick-work being required.

1952—4-Horse-Power Vertical Multitubular Boiler; manufactured by the Exhibitors. Price £22 10s. Made of *В В Н* best plates; twelve 2½ in. diam. tubes.

1953—3-Horse-Power Vertical Multitubular Boiler; manufactured by the Exhibitors. Price £20. Made of Wright & Co.'s "Monmoor" best.

1954—Wrought-Iron Brewing Furnace, 200 Gallons; manufactured by the Exhibitors. Price £6. These are very useful to farmers and others for brewing purposes, and for boiling food, &c. The sides are made of one plate only, and being well and closely riveted, are equal to copper, at a third of the price.

1955—Wrought-Iron Brewing Furnace, 120 Gallons; manufactured by the Exhibitors. Price £4. Made as above.

1956—Sample of Continuous Round Bar Ox Fencing, No. 1; manufactured by the Exhibitors. Price 1s. 7d. per yard.

1957—Sample of Continuous Round Bar Ox Fencing, No. 2; manufactured by the Exhibitors. Price 2s. 3d. per yard.

1958—Sample of Continuous Round Bar Sheep Fencing, No. 3; manufactured by the Exhibitors. Price 2s. 9d. per yard.

1959—Sample of Continuous Round Bar Deer Fencing, No. 4; manufactured by the Exhibitors. Price 3s. 4d. per yard.

1960—Sample of Continuous Flat Bar Ox Fencing, No. 1; manufactured by the Exhibitors. Price 1s. 9d. per yard.

1961—Sample of Continuous Flat Bar Ox Fencing, No. 2; manufactured by the Exhibitors. Price 2s. 4d. per yard.

1962—Sample of Continuous Flat Bar Sheep Fencing, No. 3; manufactured by the Exhibitors. Price 2s. 7d. per yard.

1963—Sample of Continuous Flat Bar Deer Fencing, No. 4; manufactured by the Exhibitors. Price 3s. per yard.

1964—Sample of Continuous Tubular Cattle Fencing; manufactured by the Exhibitors. Price 1s. 9d. per yard.

1965—Sheep-Folding Hurdle, on Wheels, 12 Ft. by 4 Ft.; manufactured by the Exhibitors. Price 14s.

1966—Sheep-Folding Hurdle, with Rack, 6 Ft. by 3 Ft.; manufactured by the Exhibitors. Price 5s.

1967—Vertical Unclimbable Hurdle, 6 Ft. by 5 Ft.; manufactured by the Exhibitors. Price 12s. 6d. each.

1968—Vertical Unclimbable Hurdle, 6 Ft. by 4 Ft. 6 In.; manufactured by the Exhibitors. Price 11s. each.

1969—Vertical Unclimbable Hurdle, 6 Ft. by 4 Ft.; manufactured by the Exhibitors. Price 8s. 6d. each.

1970—Vertical Hurdle for Gardens; manufactured by the Exhibitors. Price 7s. 6d. each.

1971—Vertical Hurdle for Gardens; manufactured by the Exhibitors. Price 7s. each.

1972—Vertical Hurdle for Gardens; manufactured by the Exhibitors. Price 7s. each.

1973—Vertical Hurdle for Gardens; manufactured by the Exhibitors. Price 6s. each.

1974—Wrought-Iron Tree Guard; manufactured by the Exhibitors. Price 5s. 6d.

1975—Wrought-Iron Tree Guard; manufactured by the Exhibitors. Price 7s. 6d.

1976—Wrought-Iron Tree Guard; manufactured by the Exhibitors. Price 9s. 6d.

1977—Wrought-Iron Tree Guard; manufactured by the Exhibitors. Price 12s. 6d.

1978—Wrought-Iron Tree Guard; manufactured by the Exhibitors. Price 16s.

1979—Wrought-Iron Tree Guard; manufactured by the Exhibitors. Price 18s.

1980—Wrought-Iron Field Gate, for Wood or Stone Posts; manufactured by the Exhibitors. Price £1 4s.

1981—Wrought-Iron Field-Gate, with Cast-Iron Pillars; manufactured by the Exhibitors. £4 10s. each.

1982—Wrought-Iron Field-Gate, with Cast-Iron Pillars; manufactured by the Exhibitors. Price £3 10s. each.

1983—Wrought-Iron Field-Gate, with Cast-Iron Pillars; manufactured by the Exhibitors. Price £2 10s. each.

1984—Wrought-Iron Field-Gate, with Wrought-Iron Pillars; manufactured by the Exhibitors. Price £3 each.

1985—Pair of Entrance-Gates, with Fluted Cast-Iron Pillars and Side Gate; manufactured by the Exhibitors. Price £10 10s.

1986—Pair of Entrance Gates, with Fluted Cast-Iron Pillars; manufactured by the Exhibitors. Price £5 10s. per pair.

1987—Pair of Entrance Gates, with Cast-Iron Fluted Pillars; manufactured by the Exhibitors. £3 per pair.

1988—Strong Wrought-Iron Wheelbarrow, No. 1, with Wrought-Iron Wheel; manufactured by the Exhibitors. Price £1 5s. each.

1989—Strong Wrought-Iron Wheelbarrow, No. 2, with Wrought-Iron Wheel, Galvanized; manufactured by the Exhibitors. Price £1 10s. each.

1990—Light Sheep Hurdle, No. 1, with Round Bars, 6 Ft. by 3 Ft. 4 In.; manufactured by the Exhibitors. Price 3s. 3d. each.

1991—Light Sheep Hurdle, No. 2, with Round Bars, 6 Ft. by 3 Ft.; manufactured by the Exhibitors. Price 2s. 4d. each.

1992—Cattle Hurdle, No. 3, with Round Bars, 6 Ft. by 3 Ft. 7 In.; manufactured by the Exhibitors. Price 3s. 10d. each.

1993—Strong Cattle Hurdle, No. 4, with Round Bars, 6 Ft. by 3 Ft. 6 In.; manufactured by the Exhibitors. Price 5s. 3d. each.

1994—Cattle Hurdle, No. 5, with Round Bars, 6 Ft. by 3 Ft. 9 In.; manufactured by the Exhibitors. Price 5s.

1995—Cattle Hurdle, No. 6, with Round Bars, 6 Ft. by 3 Ft. 6 In.; manufactured by the Exhibitors. Price 4s. 8d. each.

1996—Strong Ox Hurdle, No. 7, with Round Bars, 6 Ft. by 4 Ft.; manufactured by the Exhibitors. Price 6s. 6d. each.

1997—Cattle Hurdle, No. 8 A, with Flat Bars, 6 Ft. by 3 Ft. 7 In.; manufactured by the Exhibitors. Price 3s. 7d. each.

1998—Strong Cattle Hurdle, No. 9, with Round Under Bars and Half-Round Tops, 6 Ft. by 3 Ft. 8 In.; manufactured by the Exhibitors. Price 4s. 5d. each.

1999—Cattle Hurdle, No. 10, with Flat Under Bars and Round Top Bar, 6 Ft. by 3 Ft. 6 In.; manufactured by the Exhibitors. Price 3s. 10d. each.

2000—Light Sheep Hurdle, No. 2 A, with Flat Bars, 6 Ft. by 3 Ft.; manufactured by the Exhibitors. Price 2s. 6d. each.

2001—Sheep Hurdle, No. 1 A, with Flat Bars, 6 Ft. by 3 Ft. 4 In.; manufactured by the Exhibitors. Price 3s. 4d. each.

2002—Tubular Hurdle, 6 Ft. by 3 Ft. 6 In.; manufactured by the Exhibitors. Price 3s. 6d. each.

2003—Tubular Hurdle, 6 Ft. by 3 Ft.; manufactured by the Exhibitors. Price 3s. each.

2004—Sack Barrow; manufactured by the Exhibitors. Price 15s. each.

2005—Sack Barrow; manufactured by the Exhibitors. Price 12s.

2006—Lot of Strained Wire Fencing and Standards; manufactured by the Exhibitors. Price 1s. 3d. per yard; standards only, 15s. per dozen.

2007—Sample of Game or Poultry Hurdle; manufactured by the Exhibitors. Price 4s. each.

2008—Sample of Game or Poultry Hurdle; manufactured by the Exhibitors. Price 5s. each.

2009—Sample of Game or Poultry Hurdle; manufactured by the Exhibitors. Price 6s. each.

2010—Wicket-Gate, Suitable for Continuous Fencing; manufactured by the Exhibitors. Price 12s.

2011—Wicket-Gate, with Cast-Iron Pillars; manufactured by the Exhibitors. Price £1 5s.

2012—Wicket-Gate, with Wrought-Iron Bow; manufactured by the Exhibitors. Price £1 1s.

2013—Rick Stand; manufactured by the Exhibitors. Price £4.

2014—Set of Chain Harrows; manufactured by the Exhibitors. Price £1 15s.

2015—Set of Chain Harrows; manufactured by the Exhibitors. Price £2 10s.

Stand No. 82.—*Cottam and Co., of 2, Winsley Street, Oxford Street, London.*

Article 2016—Side of a Loose Box; manufactured by the Exhibitors. Price £12 5s. Fitted with wrought-iron ventilating panel, No. 9 ball-top post, a cast-iron dove-tailed sill, and wood-boarding; beaded and tongued.

2017—Front of Loose Box; manufactured by the Exhibitors. Price £7 15s. Fitted as above.

2018—Door of Loose Box; manufactured by the Exhibitors. Price £4 15s. 4 ft. wide, 7 ft. high; fitted with wrought-iron panel, wrought-iron hinges, and brass flush bolt.

2019—Inside Lip-Corner Manger, Extra Large; manufactured by the Exhibitors. Price £1 17s. 6d.

2020—Corner Rack, with Seed Box; manufactured by the Exhibitors. Price £1 1s. Plain wrought-iron rack, with flat bottom, and galvanized-iron seed-box.

2021—Sample of Name-Plates; manufactured by the Exhibitors. Price 12 in., 5s. 6d.; 16 in., 7s. 6d.

2022—Sample of Galvanized Rack-Chains; manufactured by the Exhibitors. Price 2s. 6d.

2023—Side of Loose-Box; manufactured by the Exhibitors. Price £10. Fitted with a No. 4 panel ball-top post and cast-iron patent dove-tailed wedge; sill, deal boarding, beaded and tongued.

2024—Stall-Fitting; manufactured by the Exhibitors. Price £5 12s. 6d. Consisting of cast-iron top-plate, with enamelled manger and water-trough, and vertical over-feeding hay-rack, with sliding grating and seed-box, patent noiseless halter-guides, and drop cover for water-trough.

2025—Side of a Stable-Stall; manufactured by the Exhibitors. Price £9. Fitted with No. 6 A cast-iron post, with ball-top, ventilating ramp, 1½ in. patent wedge sill, and deal boarding, beaded and tongued.

2026—Enamelled Manger and Wrought-Iron Hay-Rack; manufactured by the Exhibitors. Price £4 1s. Fitted to a cast-iron top-plate, one collar-rein, with guide and galvanized seed box.

2027—Side of a Stable-Stall; manufactured by the Exhibitors. Price £9. Fitted with a No. 6 A cast-iron ball-top post, ventilating ramp, 1½ in. patent wedge-sill, and deal boarding, beaded and tongued.

2028—Patent Ventilating Sill; manufactured by the Exhibitors. Price 12s. 6d.

2029—Galvanized-Iron Sand-Box, with Two Compartments; manufactured by the Exhibitors. Price 6s. 6d.

2030—Galvanized Stable-Pail, with Hoops and Bands; manufactured by the Exhibitors. Price 4s.

2031—Sample of Galvanized Pillar-Chains; manufactured by the Exhibitors. Price 2s. 6d.

2032—Sample of Patent Effluvium Interceptor (Iron); manufactured by the Exhibitors. Price, for 3 in. stoneware drain-pipe, 17s. 6d.; 4 in., £1 10s.; 6 in., £2 10s.; 9 in., £4 10s.; 12 in. £7 10s.

2033—Sample of Surface-Drains; manufactured by the Exhibitors. Price 2s. 9d. per foot. Fitted with patent safety covers.

2034—11-In. Mare-Pots, with Inlets; manufactured by the Exhibitors. Price 7s. 6d. Fitted with strong top gratings and inner-bell gratings.

2035—T-Piece of Surface-Drain; manufactured by the Exhibitors. Price 3s. 9d. With safety cover.

2036—Angle-Piece of Surface-Drain; manufactured by the Exhibitors. Price 3s. 9d.

2037—New Inside Lip-Corner Manger (Large), Enamelled; manufactured by the Exhibitors. Price £1 12s. 6d.

2038—New Inside Lip-Corner Manger (Small), Enamelled; manufactured by the Exhibitors. Price £1 7s. 6d.

2039—Wrought-Iron Corner Hay-Rack; manufactured by the Exhibitors. Price 13s. Capped with cast-iron plate.

2040—Plain 2 ft. 6 in. Angle-Manger; manufactured by the Exhibitors. Price 12s. 6d.

2041—10-In. Horse-Pot; manufactured by the Exhibitors. Price 6s. With strong top-grating and inner-bell grating.

2042—12-In. Horse-Pot. Price 9s. 6d. Same as above.

2043—Sample of Stable Grates and Frames; manufactured by the Exhibitors. Price, 8 in., 3s.; 10 in., 4s. 6d.; 12 in., 7s.; 14 in., 10s. 6d.; 16 in., 15s. 6d. each.

2044—Sample of Fittings for Cows; manufactured by the Exhibitors. Price £2 17s. 6d. per cow; leather strap and chain, 7s. 6d. extra. Consisting of feeding-troughs, water-trough standards, brass plug and washer, leather strap and chain for tying.

2045—Iron Sanitary Trap for Cow Sheds; manufactured by the Exhibitors. Price 9 in., 12s.; 12 in. £1 2s. each.

2046—Cast-Iron Vane; manufactured by the Exhibitors. Price £2. With gilt letters, painted and varnished.

2047—Wrought-Iron Corn-Bin; manufactured by the Exhibitors. Price £2 15s. To hold two sacks, with partition, painted and varnished.

2048—Wrought-Iron Carriage-Setter, to Slide up and down; manufactured by the Exhibitors. Price £1 5s. Large size.

2049—Wrought-Iron Carriage-Setter (Small); manufactured by the Exhibitors. Price £1 1s.

2050—Set of Single-Harness Brackets, with Whip-Racks; manufactured by the Exhibitors. Price £1 15s. Made upon a new and improved plan for ventilating and preserving the shape of the harness.

2051—Set of Double-Harness Brackets, with Whip-Racks; manufactured by the Exhibitors. Price £3. Made on the same principle as above.

2052—Set of Gentleman's Saddle-Brackets; manufactured by the Exhibitors. Price 14s. 6d. On same principle as above.

2053—Set of Ladies' Saddle Brackets; manufactured by the Exhibitors. Price 14s. 6d. On same principle as Article No. 2050.

2054—Galvanized-Iron Fork-Rack; manufactured by the Exhibitors. Price 2s. per space for each fork.

2055—Oak Saddle-Airer; manufactured by the Exhibitors. Price 13s. 6d.

2056—Sample of Sliding Air-Gratings, 9 in. by 3 in.; manufactured by the Exhibitors. Price 2s.

2057—Sample Air-Brick, 9 in. by 6 in.; manufactured by the Exhibitors. Price 2s.

2058—Improved Box Ventilator and Grating, 13½ in. by 9½ in.; manufactured by the Exhibitors. Price 7s. 6d.

2059—Bull's-Eye Light for Stables, 24½ in. diam.; manufactured by the Exhibitors. Price, plain, 10s. 6d.; galvanized, 14s. 6d.

2060—Galvanized-Wire Dung-Baskets; manufactured by the Exhibitors. Price 4s. 6d.

2061—Iron Frame for Dung-Baskets; manufactured by the Exhibitors. Price 4s. 3d.

2062—Galvanized-Iron Brush-Drainer; manufactured by the Exhibitors. Price 12s. 6d.

2063—Wrought-Iron Corn-Bin; manufactured by the Exhibitors. Price £3 11s. To hold three sacks, with two partitions, painted and varnished.

2064—Self-Supplying Water Brush, with Tube; manufactured by the Exhibitors. Price £1 6s. 6d. Fitted with 21 feet of tube (indiarubber), with brass union for attaching tap.

2065—Sample of Bright Chains; manufactured by the Exhibitors. Price 3s. 6d.

2066—Wrought-Iron Ceiling-Hook, Galvanized; manufactured by the Exhibitors. Price 10s. 6d.

2067—Wrought-Iron Ceiling-Hook, Galvanized; manufactured by the Exhibitors. Price 10s. 6d.

2068—Wrought-Iron Ceiling-Hook. Price £1 15s. To slide up and down, with three hooks, galvanized, and covered with leather.

2069—Wrought-Iron Cleaning-Hook; manufactured by the Exhibitors. Price £1 10s. Covered with leather, and made to slide up and down.

2070—3-Ft. Angle Manger, Enamelled; manufactured by the Exhibitors. Price £1 15s.

2071—Circular Iron Staircase, 4 Ft. Diam.; manufactured by the Exhibitors. Price, 3 ft. 6 in. diam., 16s. per foot high; 4 ft., 18s.; 4 ft. 6 in., £1; 5 ft., £1 2s.; 5 ft. 6 in., £1 6s.; 6 ft., £1 10s.

2072—Combination Straught Staircase; manufactured by the Exhibitors. Price, 1 ft. 9 in. wide, 18s. per foot; 2 ft., 19s.; 2 ft. 3 in., £1; 2 ft. 6 in., £1 1s.; 2 ft. 9 in., £1 2s.; 3 ft., £1 3s.

2073—Set of Cottam's Improved Wrought-Iron Hinges, and Self-Acting Fastenings for Hunting Gates; manufactured by the Exhibitors. Price £3 5s.; gate, £2.

2074—Pair of Entrance Gates, with Sympathetic Movement; manufactured by the Exhibitors. Price £11. Sympathetic movement and gate-stop, £5 10s.

2075—Ornamental Entrance Gate, manufactured by the Exhibitors. Price £25.

Stand No. 83.—*Alfred Ridgway, of 18, Market Place, Macclesfield, Chester.*

Article 2076—(*New Implement.*)—New Hand Hedge-Cutting Machine, to Cut 3 Ft. Wide; patented and manufactured by the Exhibitor. Price £1 12s. 6d. For cutting ordinary thorn hedges. This instrument will not only cut a greater quantity than by any other known means by hand, but completes the work with greater neatness, finish and perfection than is possible by any other known means.

2077—(*New Implement.*)—New Hand Hedge-Cutting Machine, to Cut 2 Ft. 2 In. Wide; patented and manufactured by the Exhibitor. Price £1 10s. Similar to the preceding. For cutting ornamental hedges or shrubs.

2078—(*New Implement.*)—New Hand Hedge-Cutting Machine, to Cut 1 Ft. 6 In. Wide; patented and manufactured by the Exhibitor. Price £1 7s. 6d. Similar to the preceding. For cutting box or small ornamental hedges or shrubs.

2079—(*New Implement.*)—New Sheep Shear, to Cut 2½ In. Wide; patented and manufactured by the Exhibitor. Price £1 1s. With this instrument the shearing is much quicker, cuts the wool closer, and completes the shearing with greater neatness, finish and perfection than is possible with the ordinary sheep shears, and is not as liable to cut the sheep.

2080—(*New Implement.*)—New Sheep Shear, to Cut 3 In. Wide; patented and manufactured by the Exhibitor. Price £1 5s. This instrument is similar to the preceding, but wider, and intended for thin-woolled sheep or animals.

2081—(*New Implement.*)—New Horse Clipper, to Cut 3 In. Wide; patented and manufactured by the Exhibitor. Price £1 1s. With this instrument a cleaner cut is obtained in consequence of the upper teeth acting independently of each other, thereby obtaining a scissor cut, and any one tooth replaced in case of accident or being broken.

2082—(*New Implement.*)—New Horse Clipper, to Cut 4 In. Wide; patented and manufactured by the Exhibitor. Price £1 5s. Similar to the preceding, but wider.

Stand No. 84.—*Musgrave and Co. (Limited), of 97, New Bond Street, London, W., and Ann Street Iron Works, Belfast.*

Article 2083—Sample of Musgrave's Improved Loose Box, Convertible into Stalls; manufactured by the Exhibitors. Price £30, exclusive of wood.

2084—Sample of Musgrave's Loose Box Enclosure; manufactured by the Exhibitors. Price £28 per box, exclusive of wood.

2085—Sample of Musgrave's Patent Harmless Angle Fittings for Loose Boxes; manufactured by the Exhibitors. Price £5 per set.

2086—Sample of Musgrave's Patent Stall Division Ironwork, with Plated Ball to Pillar; manufactured by the Exhibitors. Price £12 10s.

2087—Sample of Musgrave's Patent Harmless Manger Fittings, for Stalls; manufactured by the Exhibitors. Price £12 per set.

2088—Sample of Musgrave's Stall Division Iron Work; manufactured by the Exhibitors. Price £5 10s. per set.

2089—Sample of Musgrave's Patent Stall Manger Fittings; manufactured by the Exhibitors. Price £6 15s. per set.

2090—Samples of Musgrave's Patent Noiseless Tyings; manufactured by the Exhibitors. Price £1 1s. per set.

2091—Sample of Musgrave's Patent Sliding Hay Grid; manufactured by the Exhibitors. Price 15s. each.

2092—Sample of Musgrave's Patent Surface Gutter; manufactured by the Exhibitors. Price from 2s. 6d. per foot.

2093—Sample of Musgrave's Patent Angular Fittings for Stalls; manufactured by the Exhibitors. Price £6 10s. per set.

2094—Sample of Musgrave's Patent Stall Division Iron Work manufactured by the Exhibitors. Price £7 per set.

2095—Samples of Musgrave's Stall Manger Fittings; manufactured by the Exhibitors. Price £4 15s. per set.

2096—Sample of Patent Waste Chamber for Flushing Drain manufactured by the Exhibitors. Price 10s. 6d. per set.

2097—Sample of Musgrave's Patent Inlet Ventilators; manufactured by the Exhibitors. Price from 15s. each.

2098—Samples of Musgrave's Patent Fittings for Harness and Saddle Rooms; manufactured by the Exhibitors. Price from 16s. per horse.

2099—Sample of Musgrave's Patent Cow-house Fittings; manufactured by the Exhibitors. Price £3 5s. per cow.

2100—Samples of Musgrave's Patent Cow-house Fittings, with Water Supply; manufactured by the Exhibitors. Price £4 15s. per cow.

2101—Sample of Musgrave's Patent Cow-house Fittings; manufactured by the Exhibitors. Price £2 10s. per cow.

2102—Improved Tramway for Cattle Sheds, &c.; manufactured by the Exhibitors. Price 3s. 6d. per yard.

2103—Sample of Musgrave's Patent Piggery; manufactured by the Exhibitors. Price £13 each.

2104—Sample of Musgrave's Patent Piggery Front; manufactured by the Exhibitors. Price £5 10s.

2105—Iron Kennel with Yard; manufactured by the Exhibitors. Price £25.

2106—Samples of Musgrave's Patent Harness-room Stoves; manufactured by the Exhibitors. Price from £4 each.

2107—Samples of Musgrave's Patent Stoves; manufactured by the Exhibitors. Price from £8 each.

2108—Sample of Musgrave's Registered Counterpoise Field Gate for Continuous and Other Fences; manufactured by the Exhibitors. Price £3 each.

2109—Sample of Musgrave & Co.'s Improved Entrance Gates; manufactured by the Exhibitors. Price £22 10s.

2110—Samples of Enamelled Tiles for Heads of Stalls and Boxes; manufactured by the Exhibitors. Price from 2s. 6d. per foot.

2111—Sample of Musgrave's Patent Stall Division Iron Work with oval Pillar; manufactured by the Exhibitors. Price £6 per set.

2112—Sample of Musgrave's Stall Manger Fitting, with Water-pot. Manufactured by the Exhibitors. Price £3 12s. 6d. per set.

2113—Sample of Musgrave's Stall Division Iron Work for Draught Horses; manufactured by the Exhibitors. Price £3 per set.

2114—Sample of Musgrave's Manger Fittings for Draught Horses. Manufactured by the Exhibitors. Price from £2 per set.

2115—Sample of Musgrave's Loose Box Enclosure Ironwork; manufactured by the Exhibitors. Price from £15 per box.

2116—Sample of Musgrave's Loose Box Manger Fittings; manufactured by the Exhibitors. Price £1 15s. per set.

2117—Sample of Musgrave's Patent Stench Trap; manufactured by the Exhibitors. Price from 12s. 6d. each.

Stand No. 85.—*R. P. Taylor and Co., of Adelaide Place, London Bridge, London.*

Article 2118—Improved 1-Horse Cart; manufactured by the Exhibitors. Price £17 10s. Is well adapted for general farm purposes, as well as for harvest use; is calculated to carry 25 cwt. loads. Tire 4 in. by $\frac{1}{2}$ in. Has broad fixed rings instead of loose side-boards, and fitted with tipping apparatus connected with each shaft.

2119—Double-Action Haymaking Machine; manufactured by the Exhibitors. Price £15 15s. Celebrated for having fewer wearing and working parts, being lighter in draught, less friction, and consequently increased durability. Wheels 4 ft. 2 in. in diam., 12 sets of forks, 72 tines 7 ft. 6 in. wide.

2120—Horse Rake; manufactured by the Exhibitors. Price £9 12s. 6d. This horse rake has 24 steel teeth and 36-in. wrought wheels, the extreme width being $7\frac{1}{2}$ ft., and average weight $4\frac{1}{2}$ cwt.

2121—Improved Winnowing and Blowing Machine; manufactured by the Exhibitors. Price £10; riddles for small seed, extra. This is a complete blowing and dressing machine at one time, but can be used as a blower separately. It having an eccentric motion, can be thrown in and out of gear.

2122—Improved Chaff-Cutting Machine, No. 6 x; manufactured by the Exhibitors. Price £13 5s. A very strong and serviceable machine, for hand, horse, or steam power. It is provided with patent forward, stop, and reverse-motion gearing; cuts two lengths of chaff without change of wheels; and is fitted with patent clutch gear. The fly-wheel shaft works in brass bearings, and the whole of the gear is neatly covered in.

2123—Improved Chaff-Cutting Machine, No. 4; manufactured by the Exhibitors. Price £11. This machine is made entirely of iron; its main bearing is of brass, the working parts being fitted with the greatest precision. The length of cut can be varied from $\frac{1}{4}$ of an in. up to $1\frac{1}{2}$ in. by change wheels, which are charged 6s. a pair extra for. Ratchet handle for two men to work, 5s. extra; 14-in. pulley, 14s. extra.

2124—Improved Chaff-Cutting Machine, No. 3; manufactured by the Exhibitors. Price £7 15s. This machine is fitted with patent stop motion; it has also the patent cast-steel mouthpiece, and is adapted for hand or power. The extras are the same as the preceding machine, No. 4.

2125—Improved Chaff-Cutting Machine, No. 2 (the Original "City Pattern"); manufactured by the Exhibitors. Price £5 10s. Is mounted on strong iron frame, fitted with self-feeding rollers, heavy fly-wheel, and brass bearings. Mouth $8\frac{1}{2}$ in. wide, rising from 2 in. to $3\frac{1}{2}$ in.

1216—Improved Chaff-Cutting Machine, No. 1x (the Original "City Pattern"); manufactured by the Exhibitors. Price £4. Constructed to cut two lengths of chaff without change of wheels; rising mouth, 8½ in. wide.

1217—Improved Chaff-Cutting Machine, No. 0 (the Original "City Pattern"). Price £2 3s. 6d. A most useful machine for those keeping one or two horses. Length of cut, $\frac{3}{8}$ of an in.; mouth, 7 in. by 2½ in.

1218—Improved Corn-Crusher, No. 2; manufactured by the Exhibitors. Price £7. Adapted for kibbling oats, beans, peas, barley, Indian corn, &c. Is fitted with two machine-fluted and case-hardened rollers, which have both a cutting and a crushing action; 14-in. pulleys, 14s. extra.

1219—Improved Corn-Crusher, No. 1; manufactured by the Exhibitors. Price £5 10s. Similar to the last-mentioned, but smaller. Size of rollers, 7 in. by 3½ in. Will kibble a bushel in ten minutes.

12130—Improved Corn-Crusher, No. 0; manufactured by the Exhibitors. Price £4. A very simple, small machine; easily adjusted by means of screws. The rollers are fluted, and it has a cutting as well as a crushing action. It is complete. Fly-wheel and iron hopper.

12131—Oil-Cake Breaker, No. 8 A; manufactured by the Exhibitors. Price £5 5s. Is mounted on iron frame, with two pairs of rollers to break extra-fine for calves, and rape-cake for tillage.

12132—Oil-Cake Breaker, No. 3 A; manufactured by the Exhibitors. Price £3 13s. 6d. Is mounted on iron frame, with one pair of rollers for breaking cake for beast and sheep.

12133—Combined Root-Stripping and Slicing Machine, No. 9; manufactured by the Exhibitors. Price £4. This machine is for hand-power, and is fitted with six knives and ornamental cover, and is adapted for stripping and slicing.

12134—Improved Treble-Action Root-Pulper, Stripper, and Slicer; manufactured by the Exhibitors. Price £7. Is the best and most economical machine in the market, and can with confidence be recommended as being a complete combined machine, equally efficient for any of the three operations of pulping, stripping, and slicing.

12135—Gardener's Double-Action Turnip-Cutter; manufactured by the Exhibitors. Price £5 10s. Is fitted with 30 knives, with an additional pair for slicing for bullocks, which is done by reversing the fly-wheel. When required, they are fitted with wheels and handles for convenience of removal, and for which 12s. extra is charged.

12136—Set of Improved Trussel-Beam Iron Harrows, No. 12; invented by Joseph Seaman, and manufactured by the Exhibitors. Price £3 10s. Entirely new in principle; the teeth are plain pieces of iron or steel, that require to be only cut from the bar and pointed. They are self-fastening, without the use of either screws, holes, or keys.

12137—Farmer's Patent Grindstone, on Iron Frame; manufactured by the Exhibitors. Price £2 12s. The spindle on which the stone revolves is mounted on anti-friction rollers, by which means it is made to run with perfect ease, and they are fitted with V-edged 24-in. stone, which makes them so much adapted to mower and reaper knives.

12138—Farmer's Patent Grindstone, on Wood Frame; manufactured by the Exhibitors. Price £2 10s. 6d. Similar to the last-mentioned, with the exception of the frame.

2139—Improved Farmer's Portable Boiler, 15 Gallons; manufactured by the Exhibitors. Price, with plain boiler, £3; with galvanized boiler, £3 15s.; smoke-pipe, 1s. 2d. per foot. It is constructed entirely of cast-iron, the fire-chamber being lined with fire-clay.

2140—Improved Metallic Corn Bin, 8 Bushels, with Partition; manufactured by the Exhibitors. Price £2 12s. 6d. Most valuable for preventing the depredations of vermin.

2141—Improved Metallic Corn Bin, 6 Bushels; manufactured by the Exhibitors. Price £1 15s. 6d. Similar to last-mentioned.

2142—Improved Metallic Corn Bin, 4 Bushels; manufactured by the Exhibitors. Price £1 7s. 6d. Similar to last-mentioned.

2143—American Churn, to make 8 lbs.; manufactured by the Exhibitors. Price £1 17s. 6d. Made of sycamore wood, and has improved dashers, which work with ease, and produce butter in a very short time.

2144—American Churn, to make 6 lbs.; manufactured by the Exhibitors. Price £1 15s. Similar to last-mentioned, but smaller.

2145—American Churn, to make 4 lbs.; manufactured by the Exhibitors. Price £1 10s. Similar to last-mentioned, but smaller.

2146—Self-Adjusting Scythe, invented by John Boyd, of Lewisham, and manufactured by the Exhibitors. Price 9s. 6d. Can be easily adjusted to any angle by the most inexperienced workmen.

2147—Improved Farm Water-Carrier, to hold 30 Gallons; manufactured by the Exhibitors. Price £2 12s. 6d. A most useful article, fitted with galvanized tank.

Stand No. 86.—*F. and H. Mattison, of Leeming Bar, Bedale, Yorkshire.*

Article 2148—2-Horse Yorkshire Champion Reaping Machine, to Cut 5 Ft. 6 In. Wide, with Two Knives, Complete; manufactured by the Exhibitors. Price £13 10s.

2149—2-Horse (Un X Ld) Mower, with Two Knives, and Usual Extras, Steel-lined Fingers, &c.; manufactured by the Exhibitors. Price £18 10s.

Stand No. 87.—*Messrs. Spear and Jackson, of the Etna Works, Sheffield.*

Article 2150—(*New Implement.*)—Set of Patent "Paxton" Tools for Gardeners; invented, improved, and manufactured by the Exhibitors. Price 17s. per set. Consisting of a spade, digging fork, hoe and rake, well finished for gardeners.

2151—(*New Implement.*)—Set of Patent "Paxton" Tools for Amateurs; invented, improved, and manufactured by the Exhibitors. Price 20s. per set. Consisting of a spade, digging fork, hoe and rake, polished and japanned.

2152—(*New Implement.*)—Bundle of Patent "Paxton" Manure Forks; invented, improved, and manufactured by the Exhibitors. Price 5s. 10d. each and upwards. Cast steel, oval, four prong, polished and japanned assorted, patent hilt, crutch, and D handles.

2153—Set of Solid Cast-Steel Draining Tools ; manufactured by the Exhibitors. Price 18s. per set. Consisting of a top tool, draining tool, pipe layer, and scoop.

2154—Bundle of Elastic Cast-Steel Hay Forks ; improved and manufactured by the Exhibitors. Price 2s. 3d. each and upwards. American pattern, oval prongs, assorted sizes, No. 0, No. 1, No. 2, $4\frac{1}{2}$ ft. shafts.

2155—Bundle of Elastic Cast-Steel Hay Forks ; improved and manufactured by the Exhibitors. Price 2s. 9d. each and upwards. Similar to preceding, No. 2, No. 5, and $5\frac{1}{2}$ ft., but longer shafts.

2156—Bundle of Elastic Cast-Steel Hay Forks ; improved and manufactured by the Exhibitors. Price 2s. 3d. each and upwards. Best quality, selected shafts, oval prongs, assorted sizes, No. 0, No. 1, and No. 2, $4\frac{1}{2}$ ft. shafts.

2157—Bundle of Elastic Cast-Steel Hay Forks ; improved and manufactured by the Exhibitors. Price 3s. 2d. and upwards. Strapped, two oval prongs, assorted sizes, No. 1 and No. 2, shafts 5 ft.

2158—Bundle of Elastic Cast-Steel Stable Forks ; improved and manufactured by the Exhibitors. Price 2s. 2d. each and upwards. Two bright round prongs, small size No. 0, shafts 4 ft.

2159—Bundle of Elastic Cast-Steel Hay Forks ; improved and manufactured by the Exhibitors. Price 3s. 6d. each. Suitable for ladies and gentlemen.

2160—Bundle of Elastic Cast-Steel Manure Forks ; improved and manufactured by the Exhibitors. Price, 3-prong, 3s. each ; 4-prong, 3s. 6d. each. Square prong, black, hooped, crutch handles, assorted three and four prongs.

2161—Bundle of Elastic Cast-Steel Hay Forks ; improved and manufactured by the Exhibitors. Price 2s. 9d. each and upwards. Best quality, selected shafts, oval prongs, size No. 2, shafts assorted, 5 and 6 ft.

2162—Bundle of Elastic Cast-Steel Hay Forks ; improved and manufactured by the Exhibitors. Price 3s. 5d. each and upwards. American pattern, 3 oval prongs, size No. 1, shafts assorted, 5 and 6 ft.

2163—Bundle of Elastic Cast-Steel Hay Forks ; improved and manufactured by the Exhibitors. Price 3s. 7d. each and upwards. Best quality, selected shafts, 3 oval prongs, size No. 2, shafts assorted, 5 and 6 ft.

2164—Bundle of Elastic Cast-Steel Hay Forks ; improved and manufactured by the Exhibitors. Price 4s. each. Lincolnshire pattern, hooped, 2 prongs, shafts 5 ft.

2165—Bundle of Elastic Cast-Steel Manure Forks ; improved and manufactured by the Exhibitors. Price 4s. 7d. each. Diamond prongs, polished, crutch handles, 4 prongs, hooped.

2166—Bundle of Elastic Cast-Steel Manure Forks ; improved and manufactured by the Exhibitors. Price, 3-prong, 3s. 11d. ; 4-prong, 4s. 6d. each. Black, square prong, strapped D handle, assorted 3 and 4 prongs.

2167—Bundle of Elastic Cast-Steel Manure Forks ; improved and manufactured by the Exhibitors. Price, crutch, 4s. 4d. ; D, 4s. 8d. each. Square prong, strapped, 4 prongs, assorted crutch and D handles, ground.

2168—Bundle of Elastic Cast-Steel Manure Forks ; improved and manufactured by the Exhibitors. Price, crutch, 5s. ; D, 5s. 4d. each. Round and polished prongs, strapped, 4 prongs, assorted crutch and D handles.

2169—Bundle of Elastic Cast-Steel Manure Forks ; improved and manufactured by the Exhibitors. Price, crutch, 5s. ; D, 5s. 4d. each. Oval and polished prongs, strapped, 4 prongs, assorted crutch and D handles.

2170—Bundle of Elastic Cast-Steel Manure Forks ; improved and manufactured by the Exhibitors. Price, patent hilt, 5s. 4d. each. Similar to preceding, but patent hilt.

2171—Bundle of Elastic Cast-Steel Manure Forks ; improved and manufactured by the Exhibitors. Price 5s. 2d. each. Square and polished prongs, strapped, 4 prongs, D handles.

2172—Bundle of Elastic Cast-Steel Manure Forks ; improved and manufactured by the Exhibitors. Price, 5-prong, 6s. 1d. ; 6-prong, 7s. 10s. each. Similar to preceding, but T handles, assorted 5 and 6 prongs.

2173—Bundle of Elastic Cast-Steel Digging Forks ; improved and manufactured by the Exhibitors. Price, black, 4s. 8d. ; ground, 4s. 10d. each. 4 prongs, square, D handles, assorted black and ground.

2174—Bundle of Elastic Cast-Steel Digging Forks ; improved and manufactured by the Exhibitors. Price, 4-prong, 5s. 4d. ; 5-prong, 6s. 9d. each. Similar to preceding, but polished.

2175—Bundle of Elastic Cast-Steel Spading or Potato Forks ; improved and manufactured by the Exhibitors. Price, ground, 5s. 2d. ; polished, 5s. 7d. each. 4 prongs, assorted ground and polished, D handles.

2176—Bundle of Elastic Cast-Steel Spading or Potato Forks ; improved and manufactured by the Exhibitors. Price, ground, 5s. 4d. ; polished, 5s. 9d. each. Similar to preceding, but polished, crutch handles.

2177—Bundle of Elastic Cast-Steel Border Forks ; improved and manufactured by the Exhibitors. Price, 3-prong, 3s. ; 4-prong, 3s. 10d. each. Half polished, D handles, No. 2, assorted 3 and 4 prong.

2178—Bundle of Steel-Pointed Spades ; improved and manufactured by the Exhibitors. Price 3s. 4d. each. Ground, crutch handles, No. 2 size.

2179—Bundle of Patent Solid Cast-Steel Spades ; invented, improved, and manufactured by the Exhibitors. Price 4s. 6d. each. Ground, D handles, No. 2 size.

2180—Bundles of Patent Solid Cast-Steel Spades ; invented, improved, and manufactured by the Exhibitors. Price, ground, 4s. 9d. ; half-polished, 5s. 1d. each. Treaded, D handles, No. 2 size, assorted ground and half-polished.

2181—Bundle of Patent Solid Cast-Steel Spades ; invented, improved, and manufactured by the Exhibitors. Price, Crutch, 4s. 6d. ; D, 4s. 10d. each. Half-polished, No. 2 size, assorted crutch and D handle.

2182—Bundle of Patent Solid Cast-Steel Spades ; invented, improved, and manufactured by the Exhibitors. Price 4s. 8d. each. Lancashire pattern, half-polished crutch handles, No. 2 size.

2183—Bundle of Patent Solid Cast-Steel Spades ; invented, improved, and manufactured by the Exhibitors. Price 5s. each. Scotch pattern, half-polished, D handles, No. 2 size.

2184—Bundle of Patent Solid Cast-Steel Spades ; invented, improved, and manufactured by the Exhibitors. Price 5s. 2d. each. Ribbed cofer, tree-lifting spades, half-polished, D handles, No. 2 size.

2185—Bundle of Patent Solid Cast-Steel Spades ; invented, improved, and manufactured by the Exhibitors. Price 6s. 1d. each. Patent treaded, all polished, D handles, No. 2.

2186—Bundle of Patent Solid Cast-Steel Spades ; invented, improved, and manufactured by the Exhibitors. Price 5s. 8d. each. Norfolk pattern, polished, D handles, No. 1.

2187—Bundle of Patent Solid Cast-Steel Spades; invented, improved and manufactured by the Exhibitors. Price, strapped, 4s. 8d.; socket, 5s. each. Solid cofer, ground, crutch handles, No. 2, assorted, strapped, and socket.

2188—Bundle of Patent Solid Cast-Steel Spades; invented, improved, and manufactured by the Exhibitors. Price 5s. 2d. each. Centre straps, ground, crutch handles, No. 2.

2189—Bundle of Elastic Cast-Steel Manure Forks; improved and manufactured by the Exhibitors. Price, ground, 3s. 9d.; bright, 4s. 5d. each. Square prong, hooped, crutch handles, assorted, ground, and polished, 4 prongs.

2190—Bundle of Elastic Cast-Steel Manure Forks; improved and manufactured by the Exhibitors. Price 3s. 9½d. each. Square prong, hooped, crutch handles, polished, 3 prongs.

2191—Bundle of Elastic Cast-Steel Manure Forks; improved and manufactured by the Exhibitors. Price, 5 prong, 6s.; 6 prong, 9s. 4d. each. Square prong, hooped, crutch handles, polished, assorted 5 and 6 prong.

2192—Bundle of Elastic Cast-Steel Manure Forks; improved and manufactured by the Exhibitors. Price, crutch, 4s. 7d.; D handles, 4s. 11d. each. Oval prong, polished hooped, 4 prong, assorted crutch and D handles.

2193—Bundle of Elastic Cast-Steel Manure Forks; improved and manufactured by the Exhibitors. Price 4s. 11d. each. Similar to preceding, but with patent hilt.

2194—Bundle of Elastic Cast-Steel Manure Forks; improved and manufactured by the Exhibitors. Price 5s. 4d. each. Oval prong, polished, languet, 4 prongs, D handles.

2195—Bundle of Elastic Cast-Steel Manure Forks; improved and manufactured by the Exhibitors. Price, patent hilt, 5s. 4d.; crutch, 5s. each. Similar to the preceding, but with assorted patent hilt and crutch handles.

2196—Bundle of Elastic Cast-Steel Manure Forks; improved and manufactured by the Exhibitors. Price, crutch, 4s. 7d.; D handles, 4s. 11d. each. Round and bright prongs, hooped with assorted crutch and D handles, 4 prongs.

2197—Bundle of Cast-Steel Riveted Shovels; invented, improved, and manufactured by the Exhibitors. Price 3s. 4d. each. Black crutch handles, No. 2.

2198—Bundle of Cast-Steel Riveted Shovels; invented, improved, and manufactured by the Exhibitors. Price 3s. 8d. each. Black D handles, No. 2.

2199—Bundle of Patent Solid Cast-Steel Shovels; invented, improved, and manufactured by the Exhibitors. Price 3s. 9d. each. Scotch pattern handles, No. 2, ground, assorted, round and square nose.

2200—Bundle of Cast-Steel Riveted Shovels; invented, improved, and manufactured by the Exhibitors. Price 4s. each. Half polished, D handles, No. 2.

2201—Bundle of Patent Solid Cast-Steel Clay Spades; invented, improved, and manufactured by the Exhibitors. Price 4s. 6d. each. Half polished, crutch handles, No. 2 size.

2202—Bundle of Steel-Pointed Shovels; improved and manufactured by the Exhibitors. Price 3s. 6d. each. London pattern, D handles, No. 2 size.

2203—Bundle of Patent Solid Cast-Steel Shovels; invented, improved, and manufactured by the Exhibitors. Price, ground, 4s. 1d.; half polished, 4s. 5d. each. Square nose, D handles, assorted ground and half polished, No. 2.

2204—Bundle of Patent Solid Cast-Steel Shovels; invented, improved, and manufactured by the Exhibitors. Price, ground, 3s. 9d.; half polished, 4s. 1d. each. Round nose, crutch handles, assorted ground, and half polished, No. 2.

2205—Bundle of Tools, suitable for Agriculturists; improved and manufactured by the Exhibitors. Price 2s. 6d. and upwards. Consisting of picks, mattocks, and grubbers handled, hedging and grass shears, &c. &c., made from the best material, and high steeled.

2206—Sample of Cast-Steel Shaped for Plough Breasts, or Moulding Boards; improved and manufactured by the Exhibitors. Price, black, £1 6s.; bright, £1 18s. per cwt. Made to any shape, black and bright.

2207—Bundle of Tools Suitable for Agriculturists; improved and manufactured by the Exhibitors. Price 10d. and upwards. Cast-steel hoes, grass-plot knives, bill hooks, garden trowels, rakes, reaper knives, machine knives, &c.

2208—Bundle of Cast-Steel, Open Socket Shovels; invented, improved, and manufactured by the Exhibitors. Price 3s. 8d. each. Ground, D handles, No. 2.

2209—Bundle of Cast-Steel, Open Socket Shovels; invented, improved, and manufactured by the Exhibitors. Price 3s. 4d. each. Ground, crutch handles, No. 2.

2210—Bundle of Elastic Cast-Steel Barley Forks; improved and manufactured by the Exhibitors. Price 4s. 2d. each and upwards. Size of prongs 18 in. by 12 in., shafts 6 ft., assorted, hooped, and strapped.

Stand No. 88.—*J. Skurray and Co., of the Agricultural Edge Tool Works, Chippenham, Wilts.*

Articles 2211—Collection of Agricultural Edge Tools, Scythes, Hooks, Hay Knives, Forks, &c.; manufactured by the Exhibitors. From 2s. to £1 3s.

Stand No. 89.—*R. and J. Linacre, of Cobnar Works, Norton Woodseats, Sheffield.*

Article 2212—Assortment of Sheaf-Band Cutting Knives; designed and manufactured by the Exhibitors. Price 1s. to 1s. 6d. each. For use with thrashing machines. The edge retains its sharpness an incredible length of time. May be used for other purposes.

2213—Assortment of Brushing or Switching Bills, manufactured by the Exhibitors. Price £1 11s. 6d. to £3 7s. per dozen.

2214—Assortment of Hedging Bills; manufactured by the Exhibitors. Price £1 to £2 10s. per dozen.

2215—Assortment of Broom and Fence Hooks; manufactured by the Exhibitors. Price 18s. to £1 16s. per dozen.

2216—Assortment of Hooks for Reaping Peas and Trimming Fences; manufactured by the Exhibitors. Price 18s. to £1 16s. per dozen.

2217—Assortment of Sickles and Hooks for Reaping Corn and Cutting Beans, &c.; manufactured by the Exhibitors. Price 7s. 6d. to £2 2s. per dozen.

2218—Assortment of Hay and Straw-Cutting Knives; manufactured by the Exhibitors. Price £2 2s. to £7 5s. per dozen.

2219—Assortment of Patent and Crown Scythes; manufactured by the Exhibitors. Price £1 17s. to £2 6s. per dozen.

2220—Assortment of Chaff-Cutting Machine Knives; manufactured by the Exhibitors. Price £1 4s. to £3 12s. per dozen. Made of the best cast steel. The cutting temper is given by the Exhibitors' excellent process, which secures uniformity to the edge; with spring temper to the back of the knife, and thereby preventing breakage by the bolts.

2221—Assortment of Sections, or Knives, for Reaping and Mowing Machines; manufactured by the Exhibitors. Price 3s. to 5s. per dozen. Made of the finest cast steel; temper as chaff-cutting machine knives.

2222—Assortment of Sets of Knives for Turnip Cutting and Pulping Machines; manufactured by the Exhibitors. Price 7s. 6d. per set.

2223—Assortment of Turnip and Beet Root Trimming-Knives; manufactured by the Exhibitors. Price 6s. to 18s. per dozen.

2224—Assortment of Hoes; manufactured by the Exhibitors. Price 6s. to 24s. per dozen.

2225—Assortment of Hoe Shares; designers various; manufactured by the Exhibitors. Price 6s. to 15s. per dozen. Made from the best material, with excellent workmanship and finish.

2226—Assortment of Plough-Skeiths, or Circular Plough-Coulters; manufactured by the Exhibitors. Price from £1 10s. to £6 per dozen. A very superior article. Made from cast steel, and with holes round or square as required.

Stand No. 90.—*J. J. Thomas and Co., of 285 and 362, Edgware Road, London.*

Articles **2227 to 2270**—44 Rolls Wire Netting, from 6-In to 6 Ft. High, at prices from 1d. to 2s. 10½d. per yard.

2271 to 2274—Four specimens of Annealed Galvanized Wire. Price 6d. per lb.

2275 to 2281—Iron Stakes for supporting Wire Netting, Rose Trees, &c.; manufactured by the Exhibitors. Price 4s. 6d. to 13s. per doz.

2282 to 2293—Samples of Pea Seed and Strawberry Guards, Various; manufactured by the Exhibitors. Prices from 7s. 6d. to £2 2s. per dozen.

2294 to 2296—Samples of Pea Trellis, with Standards for Training Peas instead of using Sticks. Prices from 2s. 6d. to 4s. 6d. per 6 ft. length; standards from 2s. 6d. to 3s. each.

2297—Length of Espalier Fencing, 6 Feet High 9 Lines of Wire for Training Fruit Trees on the French System; manufactured by the Exhibitors. Prices, according to the height required, from £3 11s. per 100 yards, including 2 terminal posts.

2298—Length of Single Cordon Fencing 1 Foot High; manufactured by the Exhibitors. Price £1 3s. per 100 yards, including 2 terminal posts.

2299—Length of No. 176 Espalier Fencing, 6 Feet High; manufactured by the Exhibitors. Price 7s. per yard.

2300—Length of No. 172 Espalier Fencing, 5 Feet High; manufactured by the Exhibitors. Price 4s. 9d. per yard.

2301—Board showing Fittings for Wiring Walls. Price 1s. for each line of wire 20 yards long, including strainers, eyes, wire, &c.

2302—Board showing Samples of Conservatory Fittings, Lead Wire, Zinc Labels, &c. Prices from 1s. 6d. per dozen.

2303 to 2311—9 Panels of Poultry Fencing with Standards Complete; manufactured by the Exhibitors. Price from 5s. per yard.

2312—Poultry House. Price £15. 10s.

2313—Galvanized-Wire Run for above Poultry House; manufactured by the Exhibitors. Price £4.

2314—No. 505 Pheasant Coop and Run. Price £1 10s.

2315—No. 523 Pheasant Feeder. Price 12s. 6d.

2316—Poultry House. Price £8.

2317 to 2322—6 Small Folding Coops; manufactured by the Exhibitors. Price from 2s. 6d. to 6s. each.

2323 and 2324—2 Light Wire Poultry Runs; manufactured by the Exhibitors. Price 3s. and 6s. each.

2325 to 2327—3 Portable Hen's Nests. Price from 3s. to 4s. 6d. each.

2328 to 2342—15 Poultry Troughs, Various. Price from 2s. to 15s. each.

2343—Galvanized-Wire Out-Door Aviary; manufactured by the Exhibitors. Price £10 10s.

2344 to 2355—12 Lawn Mowers, Various. Price from £1 1s. to £5 5s. each.

2356—Galvanized Wheel Barrow, No. 594. Price £2.

2357—Hose Reel, No. 596. Price £1.

2358—60-Ft. of $\frac{3}{4}$ -In. 2-Ply Garden Hose. Price 8 $\frac{1}{2}$ d. per foot.

2359—Hand Branch and Union for Above, Attached. Price 11s.

2360 to 2362—3 Galvanized Water Pots. Price from 3s. to 5s. each.

2363—6-Ft. Extra Strong Locket Screen; manufactured by the Exhibitors. Price £1 6s.

2364—26-In. Locket Breeze Sieve; manufactured by the Exhibitors. Price 5s.

2365—22-In. Locket Sieve; manufactured by the Exhibitors. Price 4s. 6d.

2366 to 2378—3 Galvanized Sieves in Galvanized Iron Rims; manufactured by the Exhibitors. Price from 1s. 9d. to 2s. 6d. each.

2379 to 2389—21 Garden Seats and Chairs. Price from 3s. 6d. to £6 5s. each.

2390 and 2391—2 Foot Boards. Price 6s. and 8s. each.

2392 to 2396—5 Garden Tables. Price from 10s. to 14s. each.

2397 to 2499—3 Garden Rollers. Price from £1 17s. 6d. to £3 5s.

2400 to 2423—24 Flower Stands; manufactured by the Exhibitors. Price from 4s. 6d. to £15.

2424 and 2425—2 Models for Rose Temples; manufactured by the Exhibitors. Price from £18, according to size, &c.

2426 to 2436—11 Flower Trainers; manufactured by the Exhibitors. Price from 2s. to 11s.

2437 to 2462—26 Suspending Baskets; manufactured by the Exhibitors. Price from 1s. to £2 2s.

2463 to 2473—11 Garden Archways; manufactured by the Exhibitors. Price from 10s. 6d. to £2 10s.

2474 to 2479—3 Sample Flower Boxes. Prices from 25s. to 50s. each.

2480 to 2486—Various Patterns of Garden Bordering; manufactured by the Exhibitors. Price from 7d. per yard.

2487 to 2499—13 Bird Cages, Various. Prices from 6s. 6d. to £1 6s.

2500—Ornamental Wire Front to Stand; manufactured by the Exhibitors. Price £20.

2501—11 Patterns of Wire Work, various; manufactured by the Exhibitors. Prices from 4d. per foot, super.

Stand No. 91.—*Messrs. J. Sabatier and Co., of 9, Bread Street Hill, London, E.C.*

Article 2502 and 2503—Bundles of Fencing Iron Wire. Price £9 5s.

2504—Double-Action Pump on Wheels, for Liquid Manures, Watering, &c. Price £4.

2505—Perforated Iron Sheets for Agricultural Machinery; manufactured by Mr. A. Gisry, of Paris. Price 4s. per square yard.

2506—Rat-Trap, Self-Acting under Straw, &c.; Price £1 4s. per dozen.

Stand No. 92.—*Tregon and Co. (Limited), of the York Works, Brewery Road, N., Middlesex.*

Article 2507—(*New Article.*)—100-Gallon Galvanized Corrugated Cattle Drinking-Trough; manufactured by the Exhibitors. Price £1 12s. An improved drinking Trough, recommended for its strength, combined with lightness and cheapness. (*Entered for Trial.*)

2508—Galvanized Iron Cattle-Trough; manufactured by the Exhibitors. Price £2 0s. 6d.

2509—Galvanized Seed and Pea-Protector; manufactured by the Exhibitors. Price 1s.

2510—8-Bushel Square Galvanized Corn-Bin; manufactured by the Exhibitors. Price £2 5s.

2511—6-Bushel Circular Japanned Corn-Bin; manufactured by the Exhibitors. Price £2.

2512—6 Rolls Galvanized-Wire Netting; manufactured by the Exhibitors. Price 2½d. per lineal yard.

2513—4 Galvanized Furnace Pans; manufactured by the Exhibitors. Price 5d. per gallon.

2514 and 2515—Patterns of Galvanized-Iron Hand-Basins, 1s.; Manure-Jets, 4s.; Watering-Pots, 3s. 6d.; Turnip-Skeps, 3s. 9d.; Corn-Skeps, 4s.; Well-Buckets, 10s.; Buckets, 1s. each and upwards; manufactured by the Exhibitors.

2516—Patterns of Zinc Chicken-Fountains, 5s.; Pheasant-Feeders, 10s.; Garden Hand-Frames, 3s. 6d. each; Garden-Labels, 3s. per 100 and upwards; manufactured by the Exhibitors.

2517—Patterns of Zinc Weather-Vanes; manufactured by the Exhibitors. Price 16s. each and upwards.

2518—Patterns of Flower-Boxes; manufactured by the Exhibitors. Price 2s. 6d. per foot, and upwards.

2519—Patterns of Sheets of Galvanized Corrugated Iron and Zinc; manufactured by the Exhibitors. Price 3d. per foot, super.

2520—Patterns of Sheets of Perforated Zinc, Iron and Copper; manufactured by the Exhibitors. Price 3d. per foot, super.

2521—Patterns of Galvanized Garden-Stakes; manufactured by the Exhibitors. Price 6s. 6d. per dozen.

2522—Patterns of Ornamental Zinc Frets; manufactured by the Exhibitors. Price 1½d. per foot.

2523—Patterns of Ornamental Zinc Friezes; manufactured by the Exhibitors. Price 2½d. per foot.

2524—Sundry Models of Galvanized-Iron and Zinc Roofs for Farm Buildings; manufactured by the Exhibitors. Prices upon application. (*Not for Sale.*)

2525—Patterns of Zinc Dormers, Ornamental Apron Pieces; manufactured by the Exhibitors. (*Not for Sale.*)

2526—Patterns of Zinc Sash-Bars; manufactured by the Exhibitors. Price £2 per cwt. and upwards.

2527—Patterns of Galvanized-Iron and Zinc Cowls and Ventilators; manufactured by the Exhibitors. Price 5s. 6d. each, and upwards.

2528—2-Ft. Square Meat-Safe; manufactured by the Exhibitors. Price £2 8s.

2529—Patterns of Baths; manufactured by the Exhibitors. Price 6s. and upwards.

2530—Sacking-Felt for Covering Farm Buildings; manufactured by the Exhibitors. Price ½d. per foot, and upwards.

2531—2 Galvanized Cisterns, 100 and 150 Gallons; manufactured by the Exhibitors. Price £2 7s.

2532—Galvanized and Painted Sheep Trough; manufactured by the Exhibitors. Prices £1 19s.

2533—Galvanized Lamb-Trough; manufactured by the Exhibitors. Price 11s. 6d.

2534—Galvanized Garden-Basket; manufactured by the Exhibitors. Price 7s. 6d.

2535—Galvanized-Iron Calf-Crib; manufactured by the Exhibitors. Price £4 12s.

2536—2 Patterns of Garden-Syringes; manufactured by the Exhibitors. Price 3s.

2537—Galvanized-Iron Strainer; manufactured by the Exhibitors. Price 5s.

2538—Patterns of Galvanized-Iron Flue-Pipes; manufactured by the Exhibitors. Price 3d. per foot.

Stand No. 93.—*The A. S. Whiting Manufacturing Co., Works at Oshawa, Canada; and Branch Warehouse and Office, 12, Lancelot's Hey, Liverpool.*

Article 2539—Assortment of 2-Prong Hay Forks; manufactured by the Exhibitors. Price £1 7s. to £2 7s. per dozen. These highly finished implements have never been surpassed. Made from the finest selected cast steel. Prongs from 6 to 16 in.; handles, 4 to 8 ft. All made with new patent capped ferrules.

2540—Assortment of 3-Prong Hay and Straw Forks; manufactured by the Exhibitors. Price £2 3s. to £2 11s. per dozen. Same quality as above, being well adapted for short hay and straw. Prongs, 11 to 16 in.; handles, 4 to 8 ft.

2541—Assortment of 3- and 4-Prong Manure and Barley Forks; manufactured by the Exhibitors. Price £2 14s. to £4 4s. per dozen. Of very superior quality, light, strong, and durable. Made with long and D handles. Barley forks made with guards.

2542—Assortment of 5- and 6-Prong Manure Forks; manufactured by the Exhibitors. Price £4 1s. to £4 13s. per dozen. Same quality as above. Improved shape, very strong and durable. Made with long and D handles.

2543—Assortment of 4-Prong Spading Forks; manufactured by the Exhibitors. Price £3 5s. to £3 18s. per dozen. A very superior digging and potato fork. Made with long and D handles.

2544—Assortment of Manure Drags, Potato Hooks and Hoes; manufactured by the Exhibitors. Price £1 8s. to £2 11s. per dozen. All made of the best selected cast steel.

2545—Bundle of Scythes, and a Bundle of Scythe Snathes and Hay Knives; manufactured by the Exhibitors. Price, snathes, £1 14s.; scythes, £2; hay knives, £4 per dozen. Scythe snathes are fitted complete with movable handles.

2546—Assortment of Rakes and Weeding Hoes; manufactured by the Exhibitors. Price £1 16s. to £2 6s. per dozen.

2547—Sample Dozen of Felling Axes; manufactured by the Exhibitors. Price £3 3s. per dozen.

2548—Sample Box of American Screw Wrenches; manufactured by the Oshawa Iron Company, of Canada. Price, 10 in., £2 8s.; 12 in., £2 16s. per dozen.

2549—Set of Seven Rumsey's Patent American Lift Pumps; manufactured by Rumsey & Co., of Seneca Falls, America. Price 14s. 6d. to £1 13s. 6d. each.

2550—Set of Four Rumsey's Patent American Pitcher Spout Pumps; manufactured by Rumsey & Co. Price 17s. 6d. to £1 4s. each.

2551—Hydraulic Ram; manufactured by Rumsey & Co. Price £3 10s.

2552—Corn Sheller; manufactured by Rumsey & Co. Price £2 each.

Stand No. 94.—*Alfred Wrinch, of St. Lawrence Works, Ipswich, Suffolk.*

Article 2553—Improved Garden Tent; manufactured for the Exhibitor by Thompson, of Holloway, London. Price £8 8s.

2554—Water Barrow to Hold 30 Gallons; manufactured by the Exhibitor. Price £2 18s. 6d.

2555—Four Garden Scrapers or Mats, Sorted Sizes; manufactured by the Exhibitor. Price 3s., 4s. 4s. 6d., 6s.

2556—Improved Garden Seat with Awning; manufactured by the Exhibitor. Price £5 10s. This seat has a revolving table on each arm, and the curtains are so arranged that one or both can be used, and the back one lowered to prevent wind or rain driving under.

2557—Improved Garden Seat with Awning; manufactured by Exhibitor. Price £4 19s. This seat is made with wrought-iron frame and wood seat, and with improved winding gear.

2558—Improved Awning; manufactured by the Exhibitor. Price £2 10s. Is intended to fix into the ground for using with garden seats.

2559—Improved Garden Seat; manufactured by the Exhibitor. Price 17s. This seat has wrought-iron frame, with varnished deal splines, 5 ft. long.

2560—Improved Garden Seat; manufactured by the Exhibitor. Price £1. As Article No. 2559, but with pitch pine woodwork, 5 ft. long.

2561—Improved Garden Seat; manufactured by the Exhibitor. Price £1 5s. As Article No. 2559, but real oak woodwork, 5 ft. long.

2562—Improved Garden Seat; manufactured by the Exhibitor. Price 18s. As Article No. 2559, but painted woodwork, 5 ft. long.

2563—Improved Garden Seat; manufactured by the Exhibitor. Price £1 2s. 6d. As Article No. 2559, but woodwork of pitch pine, 6 ft. long.

2564—Improved Garden Seat; manufactured by the Exhibitor. Price £1 0s. 6d. As Article No. 2563, but woodwork painted green, with lines.

2565—Improved Garden Seat; manufactured by the Exhibitor. Price £1 5s. 6d. As Article No. 2563, painted maple.

2566—Two Garden Seats; manufactured by the Exhibitor. Price £1 4s. 6d. and £1 7s. Made with backs to fold down as a protection from wet and dust, 5 ft. and 6 ft. long.

2567—Garden Seat; manufactured by the Exhibitor. Price £1 10s. Made entirely of wrought iron, suitable for public parks, &c.

2568—Garden Seat; manufactured by the Exhibitor. Price £1 10s. Made entirely of wrought iron, with three circular compartments at back.

2569—Garden Seat; manufactured by the Exhibitor. Price £2 10s. Ornamental cast-iron ends and wood seat.

2570—Garden Seat; manufactured by the Exhibitor. Price £2 5s. Ornamental cast-iron ends and wood seat.

2571—Garden Seat; manufactured by the Exhibitor. Price £1 5s. Ornamental cast-iron ends and wood seat.

2572—Two Garden Seats; manufactured by the Exhibitor. £2 18s. 6d. each. Ornamental ends, one painted imitation oak and one with ornamental lines.

2573—Two Improved Garden Seats; manufactured by the Exhibitor. Prices £2 2s. and £2 10s. Wrought-iron frames; one woodwork of pitch pine, and one painted wood.

2574—Three Improved Garden Seats; manufactured by the Exhibitor. Prices £1 4s. 6d., £1 7s. 6d., £1 9s. 6d. Wrought-iron frames and pitch pine woods, each 5 ft., 6 ft., and 7 ft. long.

2575—Three Garden Seats; manufactured by the Exhibitor. Prices £1 4s. 6d., £1 7s. 6d., £1 9s. 6d. Same as No. 2574, but with painted woodwork.

2576—Three Garden Chairs; manufactured by the Exhibitor. Prices 7s. 6d., 8s., 8s. Wrought-iron frame, with painted, real oak and varnished deal woodwork.

2577—Two Garden Chairs; manufactured by the Exhibitor. Prices 10s. 6d., 11s. 6d. As Article No. 2576, but with arms.

2578—Two Garden Chairs; manufactured by the Exhibitor. Prices 12s. 6d., 13s. 6d.

2579—Two Garden Chairs; manufactured by the Exhibitor. Prices 17s. 6d., 18s. 6d. As Article No. 2578, but with arms.

2580—Two Spring Lounges; manufactured by the Exhibitor. Prices £1 1s. and £1 7s. 6d. Iron frames with steel seats, with and without arms.

2581—Four Folding Chairs; manufactured by the Exhibitor. Prices 5s., 5s. 6d., 8s., 9s.

2582—Folding Table; manufactured for the Exhibitor. Price 12s. 6d.

2583—Folding Chair; manufactured for the Exhibitor. Price £1 1s.

2584—Two Folding Stools; manufactured for the Exhibitor. Prices 4s. 6d., 8s. 6d.

2585—Five Garden Seats; manufactured by Grassin, of Arras. Prices, £2 12s. 6d., £1 16s., 15s. 6d., 15s., 16s. 6d.

2586—Seven Spring Chairs; manufactured by Carre, of Paris. Prices, 11s. 6d., 14s. 6d., 16s. 6d., £1 1s., £1 9s., £1 13s., £1 18s. 6d.

2587—Two Spring Chairs; manufactured by Carre. Prices, £1 15s.; £2 10s.

2588—Spring Chair; manufactured by Carre. Price £3 10s.

2589—Spring Lounge; manufactured by Carre. Price £6 6s.

2590—Spring Chair; manufactured by Carre. Price £4 4s.

2591—Three Tables; manufactured for the Exhibitor. Prices, 14s., 16s. 6d., 18s. 6d. Made of wrought iron; each 24 in. and 28 in. diam. One as above, made to fold.

2592—Two Oblong Tables; manufactured for the Exhibitor. Price, £1 2s. 6d., £1 5s.

2593—Two Folding Tables; manufactured by the Exhibitor. Price 9s., 10s. 6d.

2594—Garden Table; manufactured by the Exhibitor. Price £1 5s. Wrought-iron legs and hard wood top.

2595—Two Sets of Croquet; manufactured for the Exhibitor. Prices, £2 3s. 6d., £2 7s. 6d.

2596—Three Sets of Lawn Tennis; manufactured for the Exhibitor. Prices £2 10s., £3 10s., £4 4s.

2597—Tennis Racquet ; manufactured for the Exhibitor. Price 14s. 6d.

2598—Shooting Stool ; manufactured for the Exhibitor. Price £1 5s.

2599—Hose Reel ; manufactured by the Exhibitor. Price £1 1s.

2600—Step Chair ; manufactured by the Exhibitor. Price £1 2s. 6d. Steps and chair combined, made in solid oak.

2601—Three Improved Portable Steps ; manufactured by the Exhibitor. Price, 8s. 6d., 13s., 17s. 6d. Made of deal, varnished.

2602—Three Improved Portable Steps : manufactured by the Exhibitor. Prices 11s. 6d., 17s. 6d., £1 2s. 6d. Made of oak, varnished.

2603—Three Hammocks and a Slings Apparatus ; manufactured for the Exhibitor. Prices, 10s. 6d., 12s., 15s.; slinging apparatus, 8s. 6d.

2604—Tennis Court Marker and Chalk ; manufactured for the Exhibitor. Price £1 1s.; chalk, 3s. 6d.

2605—Three Wicker Chairs ; manufactured for the Exhibitor. Prices, 12s. 6d., 15s. 6d., £1 5s.

2606—Four Ornamental Flower Vases ; manufactured for the Exhibitor. Price, two at £3 15s. and two at £4 5s. One each pattern—"The Marlborough," "The Sandringham," "The Buckingham" and "The Osborne."

Stand No. 95.—*Barnard, Bishop and Barnards, of the Norfolk Iron Works, Norwich, Norfolk.*

Article 2607—Assortment of Machine-Made Galvanized Wire Netting ; manufactured by the Exhibitors. Price 2d. to 3s. per yard.

2608—Assortment of Patent Noiseless Lawn-Mowers ; manufactured by the Exhibitors. Price £2 5s. to £7 each. Differs from all other lawn-mowers, being constructed without gear, wheels, chains, or levers, the power being transmitted by a loose intermediate wheel and india-rubber tire placed between a plain-faced driving-wheel and pinion ; very certain in action, and cannot be deranged.

2609—Assortment of Improved Lawn-Mowers, with Gear-Wheels contained in Box with Patent Silent Ratchet ; manufactured by the Exhibitors. £3 10s. to £7 10s. each. Will cut wet or rough grass.

2610—Assortment of Improved "Cottage" Lawn-Mowers ; manufactured by the Exhibitors. Price £1 5s. to £2 5s. each. Suitable for the very smallest gardens.

2611—Assortment of Wrought-Iron Hose-Reels ; manufactured by the Exhibitors. Price £1 1s. to £1 16s. each.

2612—(*New Implement.*)—Improved Wrought-Iron Hose-Reel, No. 262 ; manufactured by the Exhibitors. Price £1 6s. 6d. By a novel arrangement of pulleys this reel is absolutely self-winding, the cylinder rotating and gathering the hose as the reel is pushed forward, or distributing as it is drawn back.

2613—Assortment of Single-Cylinder Garden-Rollers ; manufactured by the Exhibitors. Price £2 to £4 each.

2614—Assortment of Double-Cylinder Garden-Rollers ; manufactured by the Exhibitors. Price £3 10s. to £5 each.

2615—Assortment of Double-Cylinder Garden-Rollers ; manufactured by the Exhibitors. Price £11 to £13 10s. each. With balance-shafts suitable for horse or pony.

2616—Assortment of Swing Water-Barrows ; manufactured by the Exhibitors. Price £2 10s. to £6 10s. each. With galvanized-iron cistern and malleable-iron frame.

2617—(*New Implement.*)—Improved Galvanized Wrought-Iron Tank on Wheels, No. 300 ; manufactured by the Exhibitors. Price £6 10s. With shafts for horse or pony, suitable for conveying water or liquid manure to gardens, &c. ; to hold 50 gallons.

2618—Assortment of Patent Steel Chairs and Stools ; manufactured by the Exhibitors. Price 11s. to £1 8s. each. With helical seat and back.

2619—Assortment of Garden-Chairs ; manufactured by the Exhibitors. Price 9s. 6d. to £1 9s. each. With wrought-iron ends, wood seats and backs.

2620—Assortment of Garden-Chairs and Stools ; manufactured by the Exhibitors. Price 5s. to £1 5s. each. With elastic spiral wire seats and backs.

2621—Assortment of Garden-Chairs and Stools ; manufactured by the Exhibitors. Price 8s. to £1 5s. 6d. each. With metallic cane-pattern seats.

2622—Assortment of Garden-Tables ; manufactured by the Exhibitors. Price 12s. to £2 7s. each. With japanned-iron, metallic-cane, and wood tops.

2623—"Sociable," or Combined Garden-Chair and Table, No. 544 ; manufactured by the Exhibitors. Price £4. With metallic cane-pattern seats and top painted crimson.

2624—"Sociable" Chair, with Folding Umbrella Canopy, No. 544 ; manufactured by the Exhibitors. Price £7. Painted bamboo.

2625—Tête-à-Tête, or Double Garden-Chair, No. 546 ; manufactured by the Exhibitors. Price £2 15s. With metallic cane-pattern seats, painted vermilion.

2626—Sunshade Garden-Chair, No. 505, with Awning ; manufactured by the Exhibitors. Price £5 10s. Size 4 ft. 6 in., plain, varnished, with zinc cover to protect awning.

2627—Bulrush Chair, No. 450 ; manufactured by the Exhibitors. Price £7 8s. Painted oak, with canopy.

2628—Assortment of Norfolk Pig Troughs ; manufactured by the Exhibitors. Price 4s. to £3 2s. 6d. each.

2629—Assortment of Enamelled Poultry Troughs ; manufactured by the Exhibitors. Price 2s. 6d. to £1 1s. each.

2630—Windsor Pig Trough ; manufactured by the Exhibitors. Price £2 10s. 4 ft. long.

2631—Assortment of Poultry Troughs, Japanned ; manufactured by the Exhibitors. Price 1s. 9d. to 16s. 6d. each.

2632—Assortment of Poultry and Dog Troughs, Galvanized ; manufactured by the Exhibitors. Price 2s. 6d. to 11s. each.

2633—Assortment of Cattle or Horse Troughs ; manufactured by the Exhibitors. Price 9s. to 16s. 9d. each. Holding from 10 or 20 gallons.

2634—Assortment of Mincing and Sausage Machines ; manufactured by the Exhibitors. Price 12s. 6d. to £3 3s. each.

2635—Assortment of Coffee Mills; manufactured by the Exhibitors. Price 6s. to 16s. each.

2636—(*New Article.*)—Improved Mill for Grinding Wheat for Household Purposes; manufactured by the Exhibitors. Price £1.

2637—Assortment of Single and Double Bottle Bins; manufactured by the Exhibitors. Price 7s. 6d. to £3 5s. each.

2638—Improved Wrought-Iron Sheep-Fold Hurdle, No. 30; manufactured by the Exhibitors. £1 5s. 6d. each.

2639—Improved Wrought Iron Sheep-Fold Hurdle, No. 31; manufactured by the Exhibitors. Price £1 7s. each. With T-iron top and ends.

2640—(*New Article.*)—Improved Wrought-Iron Sheep-Fold Hurdle, No. 32, on Wheels; manufactured by the Exhibitors. Price £1 12s. 6d. each. With sliding lamb creepers.

2641—(*New Article.*)—Improved Wrought-Iron Sheep-Fold Hurdle on Wheels, No. 33; manufactured by the Exhibitors. Price £1 2s. 6d. By doing away with the quadrant and stays the inner wheels are brought close to the hurdle itself, thus avoiding any danger of sheep getting their legs entangled.

2642—Assortment of Improved Harness Room Fittings; manufactured by the Exhibitors. Price 3d. to 17s. each.

2643—Set of Stall and Loose Box Fittings, with Partitions, Doors, Racks, and Mangers; manufactured by the Exhibitors. Price partitions, £4 4s. and £5 3s.; doors, £2 12s. 6d. each; cast posts, £4 per pair; mangers, £2 16s. 6d. and £2 17s. 6d. each; racks, £1 15s. 6d. and £3 10s. each.

2644—Wrought-Iron Carriage Gate, No. 375; manufactured by the Exhibitors. Price £5. With iron posts suitable for fixing to wood, 9 ft. wide by 3 ft. 6 in. high.

2645—Length of Wrought-Iron Continuous Cattle Fence, No. 1, with One Terminal Post; manufactured by the Exhibitors. Price 3s. per yard. Terminal post, 13s., 3 ft. 4 in. high.

2646—Length of Wrought-Iron Continuous Cattle Fence, No. 2, with One Terminal Post; manufactured by the Exhibitors. Price 3s. 4d. per yard; terminal post, 14s. 6d.

2647—Length of Wrought-Iron Continuous Cattle Fence, No. 3, with One Terminal Post; manufactured by the Exhibitors. Price 4s. 2d. per yard. Terminal posts, 15s. 4d. each, 3 ft. 9 in. high. Standards 3 ft. apart.

2648—Assortment of Improved Iron Hurdles; manufactured by the Exhibitors. Price 5s. to 7s. 11d. each. With improved prong or anchor feet.

2649—Length of Improved Strained Fencing, Variety, No. 4; manufactured by the Exhibitors. Price 1s. 9½d. per yard. 7 wires 4 ft. 6 in. high, including one straining post to each 100 yards of fencing.

2650—Assortment of Galvanized Strawberry Protectors; manufactured by the Exhibitors. Price 3s. to 4s. each. 6 ft. long by 1 ft. 6 in. wide by 1 ft. high.

2651—Assortment of Galvanized Seed and Pea Protectors; manufactured by the Exhibitors. Price 10d. each. 3 ft. long by 1 ft. 6 in. wide by 5 in. high.

2652—Assortment of Wrought and Cast-Iron Carriage Jacks; manufactured by the Exhibitors. Price 7s. to 14s. 6d. each.

2653—Assortment of Wrought-Iron and Wood Sack Barrows; manufactured by the Exhibitors. Price 12s. 6d. to £1 1s. each.

2654—Assortment of Wrought-Iron and Wood Sack Barrows; manufactured by the Exhibitors. Price 18s. to £1 7s. each. With india-rubber tyres.

2655—Improved Pheasant Coop and Run; manufactured by the Exhibitors. Price £1 12s. The sides, back and ends are hinged and fold flat, the run is 6 ft. long by 3 ft. wide, also folding and very portable.

2656—Improved Registered Pheasant Feeder; manufactured by the Exhibitors. Price 12s. 6d. each.

2657—(*New Article*.)—Improved Registered Poultry Feeder; manufactured by the Exhibitors. Price £1 15s.

2658—Length of Galvanized Espalier Trainers; manufactured by the Exhibitors. Price, standards, 2s. 2d.; terminal posts, 14s. each; galvanized wire, No. 13, 2s. 6d. per 100 yards; raidisseurs, No. 900, 3s. per dozen.

2659—Set of Galvanized Fittings for Wiring Walls; manufactured by the Exhibitors. Price, galvanized wire, No. 14, 2s. per 100 yards; raidisseurs, 3s.; holdfasts, 1s. 9d.; eyes, 5d. per dozen.

2660—Assortment of Registered Slow Combustion Stoves, with Chimney-pieces, Hearths, Curbs, &c.; manufactured by the Exhibitors. Price £1 to £100.

2661—Pair of Ornamental Wrought-Iron Entrance Gates; manufactured by the Exhibitors. Price £150.

2662—Two Lengths of Ornamental Wrought-Iron Palisade; manufactured by the Exhibitors. Price £4 per yard.

2663—Length of Ornamental Wrought-Iron Palisade, "Sun-flower" Design; manufactured by the Exhibitors. Price £15 per yard.

2664—(*New Article*.)—Ornamental Cast-Iron Garden Chair with Wood Seat, No. 435, Registered (4 Ft. 6 In. Long); manufactured by the Exhibitors. Price £3 10s.; if 6 ft. long, £4.

2665—(*New Article*.)—Single Chair to match the above, with Wainscoat Seat, No. 436; manufactured by the Exhibitors. Price £1 10s.

2666—Assortment of Improved Steel Chairs and Stools for Garden Use; manufactured by the Exhibitors. Price 10s. to £1 8s.

Stand No. 96.—*Vipan and Headley, late Hunt and Pickering, of Church Gate Works, Leicester.*

Article 2667—Royal Society of England's First Prize Plough, w h c; manufactured by the Exhibitors. Price £4 10s.

2668—Royal Hull Prize Plough for General Purposes, m c; manufactured by the Exhibitors. Price £4 17s. 6d.; skim coulter, 5s. extra.

2669—Hull Prize Plough, m b; manufactured by the Exhibitors. Price £5 10s. Fitted with steel breast.

2670—Prize Plough, Wood Beam, w h c w; manufactured by the Exhibitors. Price £3 7s. 6d.

2671—Prize Plough, Wood Beam, m c w; manufactured by the Exhibitors. Price £3 15s. Steel breast, 5s. extra.

2672—Prize Plough, Wood Beam, L L; manufactured by the Exhibitors. Price £3 2s. 6d.

2673—Prize Plough, Wood Beam, A P x 24; manufactured by the Exhibitors. Price £3 17s. 6d.

2674—Prize Wood Beam Plough, A P x 25; manufactured by the Exhibitors. Price £4 2s. 6d. Steel breast, 7s. 6d. extra.

2675—Prize Double Plough, Wood Beam, W H D L; manufactured by the Exhibitors. Price £7 17s. 6d; lifting apparatus, 10s. extra.

2676—(*New Implement.*)—New Continental Double Plough; manufactured by the Exhibitors. Price £4.

2677—Newcastle and Hull Royal 1st Prize Paring Plough; manufactured by the Exhibitors. Price £5 12s. 6d.

2678—Set of Improved Wood Whippetrees, 2-Horse; manufactured by the Exhibitors. Price 15s.

2679—Set of Improved Wood Whippetrees, 3-Horse; manufactured by the Exhibitors. Price £1 10s.

2680—Improved Wrough-Iron Sack Barrow; manufactured by the Exhibitors. Price 15s.

2681—Improved Sack Barrow, No. 5; manufactured by the Exhibitors. Price £1 5s.

2682—Set of Royal Society of England's Prize Harrows, No. 2; manufactured by the Exhibitors. Price £2 12s. 6d.

2683—Set of Hull Prize Harrows No. 4; manufactured by the Exhibitors. Price £4.

2684—Set of Hull Prize Harrows, No. 7; manufactured by the Exhibitors. Price £4 5s.

2685—Set of Hull Prize Harrows; manufactured by the Exhibitors. Price £6 7s. 6d.

2686—Set of Improved Royal Prize Chain Harrows, 6-Ft.; manufactured by the Exhibitors. Price £3 7s. 6d.

2687—Set of Improved Royal Prize Chain Harrows, 7-Ft.; manufactured by the Exhibitors. Price £3 17s. 6d.

2688—Royal Society of England's Hull Prize Cultivator; manufactured by the Exhibitors. Price £9 17s. 6d.

2689—Improved 3-Tine Horse Hoe; manufactured by the Exhibitors. Price £2 7s. 6d.; ridging bodies, £1 10s. extra.

2690—Royal Society of England's Prize Bedford Hoe; manufactured by the Exhibitors. Price £3 7s. 6d; harrow, 7s. 6d. extra.

2691—Royal Society of England's Prize Hoe, 2 Wheels; manufactured by the Exhibitors. Price £3 17s. 6d.

2692—Royal Society of England's Leeds Prize Hoe, H B; manufactured by the Exhibitors. Price £7; root blades, £1 extra. For 6 rows of corn.

2693—Royal Society of England's Bedford Prize Hoe, H C; manufactured by the Exhibitors. Price £9 10s. For corn.

2694—Royal Society of England's Bedford Prize Hoe, H C; manufactured by the Exhibitors. Price £9 10s.; corn blades, £1; ridging bodies, £1 10s. each extra.

2695—9-Row Lever Corn and Seed Drill; manufactured by the Exhibitors. Price £23; seed barrel, £1 1s. extra.

2696—12-Row Lever Corn and Seed Drill; manufactured by the Exhibitors. Price £28; seed barrel, £1 10s. extra.

2697—180-Gallons Water Cart; manufactured by the Exhibitors. Price £16 10s.; distributor, £1, pump and hose, £3 5s. extra.

2698—London Contractor's Cart on Springs; manufactured by the Exhibitors. Price £30.

2699—Farm Cart, No. 1 R; manufactured by the Exhibitors. Price £12; raves, £1 5s. extra.

2700—Farm Cart, No. 4; manufactured by the Exhibitors. Price £15 10s.; raves, £1 5s. extra.

2701—Farm Cart, No. 4 R; manufactured by the Exhibitors. Price £15 15s.; harvest raves, £1 extra.

2702—Builder's or Contractor's Cart, No. 6; manufactured by the Exhibitors. Price £18 10s.

2703—London Market Gardener's Cart, manufactured by the Exhibitors. Price £20.

2704—Royal Agricultural Society of England's Prize Cake Breaker, No 3; manufactured by the Exhibitors. Price £3 3s.

2705—Royal Agricultural Society of England's Prize Cake Breaker, No. 5; manufactured by the Exhibitors. Price £3 12s. 6d.

2706—Royal Society of England's Prize Cake Breaker, 10 D R; manufactured by the Exhibitors. Price £7 10s.

2707—Prize Chaff Machine, B 1; manufactured by the Exhibitors. Price £4 10s.

2708—Prize Chaff Machine, C 2; manufactured by the Exhibitors. Price £6 5s.

2709—Prize Chaff Machine, G 1; manufactured by the Exhibitors. Price £13.

2710—Royal Agricultural Society of England's Prize Pulping Machine, No. 4, P H W; manufactured by the Exhibitors. Price £2 12s. 6d.

2711—Royal Society of England's Prize Pulping Machine, 10 P H W with Guard; manufactured by the Exhibitors. Price £2 17s. 6d.

2712—Prize Pulping Machine, 4 K S; manufactured by the Exhibitors. Price £3 3s.

2713—Prize Pulping Machine, 6 P H W; manufactured by the Exhibitors. Price £3 8s.

2714—Royal Society of England's Prize Pulping Machine, 6 K S, with Guard; manufactured by the Exhibitors. Price £4 17s. 6d.

2715—Prize Pulping Machine, 6 K S; manufactured by the Exhibitors. Price £4 10s.

2716—Prize Pulping Machine, 12 K S, with Guard; manufactured by the Exhibitors. Price £6 12s. 6d.

2717—New Disc Turnip Cutter; manufactured by the Exhibitors. Price £3 15s.

2718—Turnip Slicer, No. 2; manufactured by the Exhibitors. Price £3 12s. 6d.

2719—Improved Pulper, Stripper, and Slicer, for Roots; manufactured by the Exhibitors. Price £5 2s. 6d.

2720—Combined Pulper, Stripper, and Slicer, for Power; manufactured by the Exhibitors. Price £5 10s.

2721—Royal Society of England's Prize Corn Mill, No. 1; manufactured by the Exhibitors. Price £3.

2722—Royal Society of England's Prize Corn Mill, No. 3; manufactured by the Exhibitors. Price £5.

2723—Royal Society of England's Prize Corn Mill, No. 4; manufactured by the Exhibitors. Price £6.

2724—Royal Society of England's Prize Corn Mill, No. 5 B; manufactured by the Exhibitors. Price £9 9s.

2725—Royal Society of England's Prize Corn Mill, No. 8 B; manufactured by the Exhibitors. Price £18 10s.

2726—Royal Society of England's Prize Turnip-Cutter; manufactured by the Exhibitors. Price £4 10s.

2727—New Covered 1-Horse Gear; manufactured by the Exhibitors. Price £11; intermediate gear, with pulley, £3 10s. extra.

2728—Grindstone in Frame; manufactured by the Exhibitors. Price £4 10s.

2729—Prize Cheese Press, c 22; manufactured by the Exhibitors. Price £4 15s.

2730—Prize Cheese Press, s c 27; manufactured by the Exhibitors. Price £7 10s.

2731—Prize Milk Can, 15 Gallons; manufactured by the Exhibitors. Price £1 15s.

2732—Prize Milk Can, 17 Gallons; manufactured by the Exhibitors. Price £1 18s.

2733—Prize Milk Can, Patent Top, 12 Gallons; manufactured by the Exhibitors. Price £1 17s.

2734—Prize Milk Can, Patent Top, 15 Gallons; manufactured by the Exhibitors. Price £2.

2735—Royal Society of England's Prize Milk Can, 17 Gallons; manufactured by the Exhibitors. Price £2 5s.

2736—Royal Prize Milk Can and Carriage, 20 Gallons; manufactured by the Exhibitors. Price £4 15s.; tap, 7s. 6d. extra.

2737—Prize Milk Can and Carriage, 17 Gallons, Patent Top; manufactured by the Exhibitors. Price £4 10s.

2738—(*New Implement.*)—Prize Milk Can and Carriage for Pony or Donkey, 40 Gallons; manufactured by the Exhibitors. Price £9 10s.

2739—Hand Twitch Rake; manufactured by the Exhibitors. Price 4s. 6d.

2740—(*New Implement.*)—Hop Cultivators, with Small Harrow; manufactured by the Exhibitors. Price £2 10s.

2741—Garden Vase B, and Base; manufactured by the Exhibitors. Price £6 10s.

2742—Vase and Base J; manufactured by the Exhibitors. Price £2.

2743—Vase and Base E; manufactured by the Exhibitors. Price £6 15s.

2744—Vase K; manufactured by the Exhibitors. Price £1.

2745—Awning Garden Seat, with Zinc Top; manufactured by the Exhibitors. Price £6 5s.

2746—Garden Lounge, 6 Ft. 6 In.; manufactured by the Exhibitors. Price £2 15s.

2747—Independent Awning, with Zinc Top; manufactured by the Exhibitors. Price £3 15s.

2748—Croquet Garden Seat, No. 1; manufactured by the Exhibitors. Price 9s; arms, 3s. 6d. extra.

2749—Croquet Seat, No. 2; manufactured by the Exhibitors. Price 10s.; arms, 3s. 6d. extra.

2750—Croquet Seat, No. 3; manufactured by the Exhibitors. Price 10s.; arms, 3s. 6d. extra.

2751—Croquet Seat, No. 4; manufactured by the Exhibitors. Price 11s.; arms, 3s. 6d. extra.

2752—Croquet Chair, No. 6; manufactured by the Exhibitors. Price 10s. 6d.; arms, 3s. 6d. extra.

2753—Monceaux Garden Seat, Green and Lines, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £1 10s.

2754—Monceaux Garden Seat, 5 Ft., as above; manufactured by the Exhibitors. Price £1 12s.

2755—Monceaux Garden Seat, 6 Ft., as above; manufactured by the Exhibitors. Price £1 18s.

2756—Monceaux Garden Seat, 4 Ft. 6 In., Oak; manufactured by the Exhibitors. Price £1 12s. 6d.

2757—Monceaux Garden Seat, 5 Ft., Oak; manufactured by the Exhibitors. Price £1 15s.

2758—Monceaux Garden Seat, 6 Ft., Oak; manufactured by the Exhibitors. Price £2.

2759—Leicester Seat, No. 2, with Arms, 5 Ft.; manufactured by the Exhibitors. Price £1 5s. 6d.

2760—Leicester Seat, No. 2, with Arms, 5 Ft. 6 In.; manufactured by the Exhibitors. Price £1 7s. 6d.

2761—Leicester Seat, 4 Ft. 6 In., Oak; manufactured by the Exhibitors. Price £1 7s.

2762—Leicester Seat, No. 4, 6 Ft., Oak; manufactured by the Exhibitors. Price £1 13s.

2763—Leicester Table, Green and Lines; manufactured by the Exhibitors. Price £1 2s. 6d.

2764—Leicester Table, Oak; manufactured by the Exhibitors. Price £1 5s.

2765—Rustic Table; manufactured by the Exhibitors. Price £1 10s.

2766—Single Monceaux Seat, with Arms; manufactured by the Exhibitors. Price 18s. 6d.

2767—Folding Stool; manufactured by the Exhibitors. Price 5s.

2768—Folding Chairs; manufactured by the Exhibitors. Price 6s. 6d.

2769—Folding Table; manufactured by the Exhibitors. Price 15s.

Stand No. 97.—*Andrew Handyside and Co. (Limited), of Derby.*

Article 2770—“Enterprise” 2-Horse Mower Right-Hand Cart (Phillips’ Patent); manufactured by the Exhibitors. Price £19. Fitted with spring suspension and self-lubricating crank.

2771—Combined “Enterprise” Reaper and Mower (Phillips’ Patent); manufactured by the Exhibitors. Price £22 10s. Fitted with self-lubricating crank and spring suspension.

2772—“Enterprise” 2-Horse Mower, Left-Hand Cut (Phillips’ Patent); manufactured by the Exhibitors. Price £19. Fitted with improved slide-box, and wrought-iron bush and crank disc.

2773—“Enterprise” Mower and Reaper, Left-Hand Cut (Phillips’ Patent); manufactured by the Exhibitors. Price £22 10s. Fitted with improved slide-box and self-lubricating crank.

2774—(*New Implement.*)—“Enterprise” 1-Horse Mower (Phillips’ Patent); manufactured by the Exhibitors. Price £17 10s. Fitted with improved slide-box and crank-plate.

2775—(*New Implement.*)—“Enterprise” 1-Horse Combined Mower and Reaper (Phillips’ Patent); manufactured by the Exhibitors. Price £20. Fitted with patent lubricating crank.

2776—(*New Implement.*)—“Derby” 1-Horse Reaper, with Side-Delivery Platform (Phillips’ Patent); manufactured by the Exhibitors. Price £17 10s. The platform added to this machine enables one man to perform the work of a self-delivery machine.

2777—“Derby” 1-Horse Back-Delivery Reaper (Phillips’ Patent); manufactured by the Exhibitors. Price £15 10s. Fitted with patent simplified train of gearing.

2778—“Derby” 2-Horse Back-Delivery Reaper (Phillips’ Patent); manufactured by the Exhibitors. Price £17. Fitted with new slide-box and patent lubrication.

2779—“Counterbalance” Self-Raking Reaper (Phillips’ Patent); manufactured by the Exhibitors. Price £31. Fitted with patent raising gear and balancing rake.

2780—(*New Implement.*)—“Eclipse” Grinding Machine; manufactured by the Exhibitors. Price £2 2s. Registered design.

2781—(*New Implement.*)—“Duplex” Flexible 2-Horse Harrow (Phillips’ Patent); manufactured by the Exhibitors. Price £4.

2782—(*New Implement.*)—“Duplex” Flexible 1½-Horse Harrow (Phillips’ Patent); manufactured by the Exhibitors. Price £3.

2783—(*New Implement.*)—“Duplex” Flexible 1-Horse Harrow (Phillips’ Patent); manufactured by the Exhibitors. Price £2 10s.

2784—(*New Implement.*)—“Duplex” Flexible Malleable Iron Harrow (Phillips’ Patent); manufactured by the Exhibitors. Price £3 15s.

2785—(*New Implement.*)—2-Horse Tined Seed Harrow (Phillips’ Patent); manufactured by the Exhibitors. Price £6. By the special arrangement of these harrows, simplicity of construction and strength and lightness are secured.

2786—(*New Implement.*)—1½-Horse Tined Seed Harrow (Phillips’ Patent); manufactured by the Exhibitors. Price £5.

2787—(*New Implement.*)—1-Horse Tined Seed Harrow (Phillips’ Patent); manufactured by the Exhibitors. Price £4.

Stand No. 98.—*Laidlaw and Co., of Masons Hill, Bromley, Kent.*

Article 2788—New Patent "Spring Balance" Self-Raking Reaper, with Five Controllable Rakes; manufactured by R. Hornsby & Sons, of Grantham. Price £82; if fitted with shaft to pole, £1; if with turn-up platform arrangement, 10s. extra.

2789—Champion 2-Horse Plough, marked B, with Screw-Depth Regulator and Skim Coulter; manufactured by J. and F. Howard, of Bedford. Price £5 12s. 6d.

2790—1-Horse Plough, marked E H C; manufactured by Ransomes, Sims, and Head, of Ipswich. Price £3 15s.

2791—Set of Zig-zag Harrows, No. 11; manufactured by J. and F. Howard. Price £3 17s. 6d.

2792—Set of Improved East Anglian Harrows, No. 102; manufactured by Ransomes, Sims, and Head. Price £2 10s.

2793—(*New Implement.*)—Potato Digger; manufactured by J. D. Allan and Sons, of Dunkeld. Price £14.

2794—Patent Barrel Churn, No. 1 B; manufactured by Tinkler and Co., of Penrith. Price £4 10s.

2795—Patent Barrel Churn, No. 2 C; manufactured by Tinkler and Co. Price £5.

2796—Patent Barrel Churn, No. 4 E; manufactured by Tinkler and Co. Price £6.

2797—(*New Implement.*)—Laidlaw's Improved Patent Crank-Axle Dairy Cart, No. 0; manufactured by the Bristol Waggon Works Company, of Bristol. Price 21 guineas; price of larger size, No. 1, 22½ guineas.

2798—Light 1-Horse Waggon, Fitted with Springs and Patent Axles, to carry One Ton; manufactured by the Bristol Waggon Works Company. Price £45.

2799—Chaff-Cutter, No. 57; manufactured by Richmond and Chandler, of Manchester. Price £3 15s.

2800—Chaff-Cutter, No. 59; manufactured by Richmond and Chandler. Price £5 15s.

2801—Spring 1-Horse Cart; manufactured by the Bristol Waggon Works Company, of Bristol. Price £19 10s.

2802—File for Sharpening the Sections of Reaper and Mower Knives; manufactured by W. Lee and Son, of Sheffield. Price 10d.

2803—1-Horse Cart, with 3-Inch Wheels, to carry 30 cwt.; manufactured for the Exhibitors. Price £12 10s.; hay ladders, £1 10s. extra.

Stand No. 99.—*William Weeks and Son, of the Perseverance Ironworks, Maidstone, Kent.*

Article 2804—Hop-Pressing Machine; manufactured by the Exhibitors. Price £25. With iron case; if fitted with dial weighing apparatus, £2 10s. extra; was awarded the Prize of £10 by the R. A. S. E. at Wolverhampton.

2805—Hop-Pressing Machine; manufactured by the Exhibitors. Price £13 13s.; if fitted with dial weighing apparatus, £1 5s. extra; was awarded the Prize of £10 by the R. A. S. E. at Canterbury, 1860.

2806—Hop-Sulphurating Machine; manufactured by the Exhibitors. Price £12. Very light in draught; intended to destroy the mould in hops.

2807—Hop-Sulphurating Machine; manufactured by the Exhibitors. Price £12 12s. Similar to the above, but with spouted delivery.

2808—(*New Implement.*)—Hand Sulphurating Machine; manufactured by the Exhibitors. Price £3 3s. Intended to destroy the mould in hops, or more particularly for coffee plantations.

2809—Iron Hop Shim; manufactured by the Exhibitor. Price £4 5s. Adapted for potato plantations and hop-ground work before the nidget.

2810—Iron Hop Nidget; manufactured by the Exhibitors. Price £4 5s. Adapted for hop-ground cultivation.

2811—Hop-Washing Engine; manufactured by the Exhibitors. Price £9. To remove the aphid blight; to contain 28 gallons; fitted with 25 ft. 3-ply hose, stop valves and jets.

2812—Hop-Bine Cutting Machine; manufactured by the Exhibitors. Price £10 10s. Mounted on travelling wheels; to cut hop-bines into short lengths for manure and other purposes.

2813—Portable Hop-Pole Dipping Tank; manufactured by the Exhibitors. Price £35. For dipping hop-poles and fencing, &c., in creosote.

2814—Circular Iron Cockle; manufactured by the Exhibitors. Price £13 13s. With flue-pipes for drying hops, malt, &c.

2815—Iron Cultivator; manufactured by the Exhibitors. Price £4 10s. Adapted to cultivating hop-ground previous to nidgeting.

Stand No. 100.—*H. Beare and Sons, of Newton Abbot, Devon.*

Article 2816—(*New Implement.*)—New Improved Patent Back-Action Haymaker; manufactured by the Exhibitors. Price £13 13s.

2817—Patent "Eclipse" Back-Action Haymaker; manufactured by the Exhibitors. Price £12 12s.

Stand No. 101.—*George Kearsley, of the British Iron and Implement Works, Ripon, Yorkshire.*

Article 2818—R. A. S. E. Prize No. 1 Combined Grass Mower and Reaper; manufactured by the Exhibitor. Price £27 10s. With wood frame, steel-lined fingers, and two knives, and with quick and slow speed gearing; cuts 4 ft. 6 in.

2819—No. 4 Grass Mower for 2 Horses; manufactured by the Exhibitor. Price £19. With iron frame, forged steel inside mowing shoe, open pattern, steel-lined fingers, and two knives to cut 4 ft. 3 in.

2820—No. 4 Combined Grass Mower and Reaper for 2 Horses; manufactured by the Exhibitor. Price £22 10s. With iron frame, forged steel inside mowing shoe, open pattern, steel-lined fingers, and two knives to cut 4 ft. 3 in.

2821—Yorkshire First Prize 1-Horse Reaper; manufactured by the Exhibitor. Price £12 10s. With metal frame, malleable fingers, and two knives to cut 4 ft. 9 in.

2822—2-Horse Reaper; manufactured by the Exhibitor. Price £18. With wrought-iron frame, steel-lined fingers, two knives to cut 5 ft., and nuts locked by Cotter.

2823—Self-Raking Reaper; manufactured by the Exhibitor. Price £30. With wrought-iron frame, two rakes, and four dummies, steel-lined fingers, and two knives to cut 5 ft., and pole for two horses.

2824—Patent Harvesting Machine; manufactured by the Exhibitor. Price £65.

Stand No. 102.—*W. N. Nicholson and Son, of the Trent Iron Works, Newark, Nottinghamshire.*

Article 2825—Vertical Inverted Cylinder, 1-Horse Power Engine and Boiler, 4 ft. by 1 ft. 9 in. diam.; manufactured by the Exhibitors. Price £48. Mounted independently on strong metal bed-plate with force-pump, and all usual fittings; governor, if required, £2 10s. extra; engine cylinder 4 in. by 6 in. If made portable on 4 wheels and turntable carriage, £7 10s. extra.

2826—Vertical Overhead Crank Engine, 2-Horse Power; manufactured by the Exhibitors. Price £62 10s. Mounted with cross-tube boiler 5 ft. 2 in. by 2 ft. 4 in. diam.; on tank-bed, and fitted with force-pump, governor, &c., complete. Any of these engines can be made portable at a small extra cost according to size. Upwards of 1400 are in use in all parts of the world.

2827—Vertical Invented Cylinder Engine, 2½-Horse Power; manufactured by the Exhibitors. Price £70. Mounted with cross-tube boiler 5 ft. 6 in. by 2 ft. 4 in. diam. on feed-water heater tank; base, engine cylinder 5 in. by 8 in.; made portable, £12 10s. extra.

2828—Vertical Overhead Crank Engine, 3-Horse Power, Engine Cylinder, 5½ in. by 8 in.; manufactured by the Exhibitors. Price £80. Mounted with boiler 6 ft. by 2 ft. 6 in. in diam. Any engine or boiler can be had separately, and being self-contained they are readily adapted to special purposes.

2829—Vertical Inverted Cylinder Engine, 4-Horse Power Cylinder, 6 in. by 9 in.; manufactured by the Exhibitors. Price £96. With boilers 6 ft. 9 in. by 2 ft. 9 in., two cross-tubes. This form of boiler has been proved by Exhibitors to be more durable and economical in the long run than any other vertical pattern.

2830—Vertical § Overhead Crank Engine, 5-Horse Power Cylinder, 7 in. by 10 in.; manufactured by the Exhibitors. Price £110. With boiler 7 ft. by 3 ft. diam.; two cross-tubes. Engine only £45.

2831—(*New Implement.*)—Portable Engine, 4-Horse Power; manufactured by the Exhibitors. Price £136. Of novel construction and extreme simplicity, the engine being mounted and fitted up independently. No holes are made in the boiler shell, except for the steam and pump-pipe connections. Strongly recommended as cheap, simple, and efficient. If semi-fixed on metal ashpits and pedestal, 125.

2832—(*New Implement.*)—4-Horse Power Horizontal Steam-Engine, New "Universal" Pattern; manufactured by the Exhibitors. Price £36. With force-pump and governors. Mounted on metal tank-bed, which can be utilized as a feed-water heater, £42; if with suitable vertical boiler on base plate, £90.

2833—Patent Grist Mill, No. 0 Size, for Horse Power; manufactured by the Exhibitors. Price £10. Suitable for 2-horse gear or engine. Was awarded the Royal Society's Special Silver Medal at Liverpool, 1877.

2834—Patent Grist Mill, No. 0 Size, with Vibrating Screen or Shaker; manufactured by the Exhibitors. Price £11; if with guide pulleys, £1 10s. extra. Will kibble from 40 to 60 bushels per hour, or grind to meal 6 to 8.

2835—Patent Grist Mill for 3-Horse Gear or Engine; manufactured by the Exhibitors. Price £12 10s. These mills require little power, and run at a moderate speed, never exceeding 450 per minute, while the quantity and quality of the work done by them is unexampled.

2836—Patent Grist Mill (No. 1 Size) with Vibrating Screen or Shaker; manufactured by the Exhibitors. Price £13 10s. If with guide pulleys or separate intermediate motion, £1 10s. extra. The cone and concave in these mills are simple and inexpensive castings, and can be readily replaced when worn out without the assistance of a skilled fitter.

2837—Patent Grist Mill (No. 2 Size), with Vibrating Screen; manufactured by the Exhibitors. Price £20; if with guide-pulleys, £22. Suitable for 4-to 6-horse engine. Will kibble from 60 to 70 bushels per hour, or grind to meal 15 to 20. Dressing machine for ditto, £12 extra.

2838—Patent Grist Mill (No. 3 Size), for 6- to 8-Horse Engine; manufactured by the Exhibitors. Price £32. Similar to the above, but larger. Recommended for large stockowners and corndealers.

2839—Patent Manual Delivery Horse Rake N 2 R, with 2N Steel H-section Teeth; manufactured by the Exhibitors. Price £9 12s. 6d.; if with driver's seat and double levers, 15s. extra. Travelling wheels 42 in. diam. To Exhibitors' manual rakes were awarded the whole of the Prizes given in their class at the last great Trials of the Royal Society.

2840—Patent Manual Delivery Horse Rake, N 2 R, with 28 Steel Teeth and Seat; manufactured by the Exhibitors. Price £10 15s. Travelling-wheel 42 in. diam.; width of rake over all, 8 ft. 8. in. The axles of Exhibitors' rakes when fitted with seat are prevented from bending by a patent truss.

2841—Patent Extra Large and Strong Manual Horse Rake, N 4 R; manufactured by the Exhibitors. Price £13 15s. With 54-in. travelling wheels, 28 H-section steel teeth, seat, and double lever. All Exhibitors' rakes with driver's seat have an easy foot as well as hand delivery.

2842—Patent Light High-Wheel Scotch-Pattern Horse Rake, with 28 Teeth; manufactured by the Exhibitors. Price £13 10s. A capacious, strong, and efficient light rake. Recommended for use where crops are bulky and horses light. Patent tooth clips for any rake, 1s. each.

2843—Patent Anglo-American Light-Horse Rake; with 24 Steel Teeth and Seats; manufactured by the Exhibitors. Price £10 10s. Wheels 52 in. diam.; combines the lightness of the American type of rake proper, with the characteristic strength of the English; recommended for Continental use.

2844—Patent Anglo-American Self-Delivery Horse Rake, with 28 Steel Teeth; manufactured by the Exhibitors. Price £12. Fitted with driver's seat, double levers, and automatic gear.

2845—Patent Strong English Pattern Self-Acting Horse Rake, S 2 R; manufactured by the Exhibitors. Price £11 10s. With 42-in. wheels, 28 H-section steel teeth and manual, as well as automatic delivery. Won the Royal Society's Special Silver Medal at Bedford, 1874, and its First Prize of £15 at the last great Trials.

2846—Patent Combined, Strong, Self-Acting, and Manual Delivery Horse Rake, s 3 a; manufactured by the Exhibitors. Price £14. With 48-in. wheels and 28 H-section steel teeth. Can be had with 24 or 32 teeth.

2847—Patent Extra Large Combined Self-Acting and Manual Delivery Horse Rake, s 4 a; manufactured by the Exhibitors. Price £14 10s. 7 ft. 8 in. wide, 54-in. travelling wheels, and 24 H-section steel teeth. These automatic rakes are worked with no exertion on the part of the driver, and but little extra on the part of the horse.

2848—Patent Full-Size Strong Haymaker, No. 1 a, with Forward and Reverse Motions; manufactured by the Exhibitors. Price £15 15s. A good general purpose machine. Of the last four Prizes given by the Royal Society, for which all the leading makers have competed, the Exhibitors have won two and divided a third.

2849—Patent Hay Machine, as above, but with Divided Fork Bars, No. 5 b.; manufactured by the Exhibitors. Price £16 10s.; wire screen, 15s. extra.

2850—Patent Hay Machine for Medium Crops, No. 12 b; manufactured by the Exhibitors. Price £13; wire screen, 12s. 6d. extra. Light, useful pattern, with 4-ft. wheels; suitable for the Continent.

2851—Patent Hay Machine, No. 12 c; manufactured by the Exhibitors. Price £14. Similar to the above, but with divided fork bars. Suitable for medium crops and upland hay.

2852—Patent "Universal" Haymaker for General Use; manufactured by the Exhibitors. Price £12 12s. With patent interlocking gear, preventing possibility of breaking the pinions; patent adjustable fork-heads, springs, and fork-carrier, strengthening clips; much improved in detail for the season of 1879.

2853—Patent Haymaker, with Single Motion (either Forward or Reverse); manufactured by the Exhibitors. Price £11. The No. 8 has forward motion only; the No. 9 the reverse or backward motion. The cheapest, simplest, and lightest hay machines in the market.

2854—Wrought-Iron Double Cylinder Land Roller, 27 in. diam. by 6 ft. Wide; manufactured by the Exhibitors. Price £11 5s.. Weight 9½ cwt. Fitted with renewable axle-bushes, grease-boxes, and sliding shafts.

2855—Improved Double Cylinder Park, Road, or Cricket Ground Roller; manufactured by the Exhibitors. Price £22 10s. 4 ft. diam. by 4 ft. wide. The arms are cast in one piece with the cylinders, which are made true on the edges by machinery. These rollers are made 4 ft. wide, to weight, from 20 to 60 cwt. at 18s. per cwt., or 6 ft. wide, from 35 cwt. to 5 tons, price 16s. per cwt.

2856—(New Implement.)—Set of 3 Patent "Imperforate Beam" Clip Harrows, No. 0; manufactured by the Exhibitors. Price £3. Zigzag pattern, with 4 beams and whippetree complete; weight, 1½ cwt.; light set for one horse. There are no holes in either beams or cross-bars, nor are there nuts, bolts, or set screws used in the entire fabric.

2857—(New Implement.)—Set of 3 Patent "Imperforate Beam" Clip Harrows, No. 1; manufactured by the Exhibitors. Price £3 5s. Diamond pattern, with 4 beams and whippetree complete; weight 1½ cwt., 8½ feet wide. Suitable for one or two horses. Any size can be had jointed at 7s. 6d. per set extra.

2858—(New Implement.)—Set of 3 Patent "Imperforate Beam" Clip Harrows, No. 2; manufactured by the Exhibitors. Price £3 17s. 6d. Zigzag pattern as above, but 9½ ft. wide; weight 2 cwt., general purpose size, for two horses.

2859—(*New Implement.*)—Set of 6 2-Beam Patent Clip Harrows, No. 2 Size; manufactured by the Exhibitors. Price £4 17s. 6d. With whippetree complete; weight $1\frac{1}{2}$ cwt., to cover 9 ft.

2860—(*New Implement.*)—Set of 3 Patent 4-Beam Imperforate Beam Clip Harrow, No. 3; manufactured by the Exhibitors. Price £4 7s. 6d. For two or three horses, 10 ft. wide; weight, $2\frac{1}{2}$ cwt. Zigzag or diamond pattern as preferred. With equal weight, Nicholson's Patent Harrows are much stronger and more rigid than any others in the market.

2861—(*New Implement.*)—Set of Patent Clip Heavy Drag Harrows, No. 4; manufactured by the Exhibitors. Price £5 10s. With 3 beams, 5 rows of long tines, duckfoot or chisel-shape to order; to cover $7\frac{1}{2}$ ft. With handles, 7s. 6d. extra.

2862—(*New Implement.*)—Patent Self-Lifting Wheel-Harrow, with 25 tines; manufactured by the Exhibitors. Price £11. Fitted with patent stop motion for regulating the height of the tines in cultivating. For lightness of leverage and facility of turning this harrow will be found to be much superior to any other introduced. The outer tines follow the wheel-tracks.

2863—Safety Pony Gear, with Covered Gearing; manufactured by the Exhibitors. Price £7; with 2 speeds and through intermediate spindle, £8.

2864—Hand Double Cylinder Roller, 24 In. by 24 In.; manufactured by the Exhibitors. Price £4 10s. With rounded edges and balanced handle; these rollers are made in all sizes from 14 to 30 in. diam.

2865—Safety 1-Horse Gear, with Intermediate Motion on the same Frame; manufactured by the Exhibitors. Price £11 5s. Speed 54 revolutions per minute; has all gearing covered, and is fitted with spring clutch, which, in case of sudden stoppage, prevents the pole from following the horse.

2866—Safety 1-Horse Gear, with Separate Intermediate Motion; manufactured by the Exhibitors. Price £12 10s. Speed 84 revolutions per minute. Both gear and intermediate have all gearing covered. Price includes two pulleys and spring clutch.

2867—Safety 2-Horse Gear, with Intermediate Motion on Same Frame; manufactured by the Exhibitors. Price £14. Speed 45 revolutions per minute. By the addition of a separate intermediate motion a speed of 200 may be attained; and this gear is then well adapted for driving the Exhibitors' No. 0 Grist Mill. Price, so fitted, £17 10s.

2868—Safety 2-Horse Gear, with Patent Vertical Intermediate Motion, No. 3; manufactured by the Exhibitors. Price £16. Speed 96 revolutions per minute. The intermediate is fitted with a horizontal pulley, from which power can be taken in any direction, so that there is no necessity to move the machines to be driven into position each time they are required.

2869—Patent Safety Cake-Breaker, No. 3 N, with Covered Gearing; manufactured by the Exhibitors. Price £3 3s. Breaks five sizes; Rollers with loose cutters 12 in. wide; if made 16 in. wide, £3 10s.

2870—Patent Safety Cake Breaker, No. 4 N, with Rollers 13 in. Wide; manufactured by the Exhibitors. Price £3 12s. 6d.; with improved gearing and adjustments. With handles for two men, £3 15s.; with rollers 16 in. wide to break wide cake, £4.

2871—Strong Cake Breaker, Suitable for 2 Men or Power, Rollers 15 In. Wide, No. 5 N; manufactured by the Exhibitors. Price £7. Inclusive of two handles. Is fitted with loose cutters, $5\frac{1}{2}$ in. diam., and breaks six sizes.

2872—No. 5 N Mill, with Fluted Rollers 18 in. Wide; manufactured by the Exhibitors. Price £10. Adapted as a coke-breaker, with screen and capacious wrought-iron hopper. Recommended for forges and Continental use.

2873—Safety Double Roller Cake Breaker, No. 8 N, with Covered Gearing; manufactured by the Exhibitors. Price £5 10s. Useful size for one man, for breaking linseed cake for sheep, calves, and lambs, and rape cake for tillage; when not required for crushing a fine sample the lower rollers may be thrown out of gear.

2874—Double Roller Cake Breaker, No. 7 N, with Rollers 15 Inches Wide; manufactured by the Exhibitors. Price £14. Adapted for two men, or four power, with brass brushes.

2875—Steam Power Cake Mill, No. 9, 20 Inches Wide; manufactured by the Exhibitors. Price £32 10s. Powerful machine with double rollers, to break from two to three tons per hour. With rollers 30 inches wide, £36. Pulleys extra.

2876—Perforated Disc Root Pulper, No. 0 N; with Half-Disc Guard; manufactured by the Exhibitors. Price £3 5s. With four knives, fifty-two cutters, producing a sample unrivalled for quality and evenness.

2877—Perforated Disc Root Pulper, No. 1 N, with Complete Disc Cover; manufactured by the Exhibitors. Price £3 12s. 6d. Similar to the above, but with six knives, seventy-eight cutters.

2878—Perforated Disc Root Pulper, No. 2 N, with Brass Bushes; manufactured by the Exhibitors. Price £5. For two men or for power, with ninety-six cutters.

2879—Small Occupation Root Pulper, No. s 0 3, with 26-In Disc; manufactured by the Exhibitors. Price £2 10s. With disc covers, £2 17s. 6d. A cheap and efficient machine for small cattle-feeders.

2880—Disc Root Slicer, or Turnip Cutter for Beast, No. 0 M; manufactured by the Exhibitors. Price £3 5s. With half-disc guard and curved knives.

2881—Disc Root Slicer, or Turnip Cutter for Beast, No. 1 M; manufactured by the Exhibitors. Price £3 12s. 6d. With whole disc, cover, and sickle knives.

2882—Combined Double Disc Slicer and Pulper, No. D N M; manufactured by the Exhibitors. Price £6 6s. With capacious hopper of improved form, rendering choking practically impossible.

2883—Hand Chaff Cutter, No. 1 N, with 8 In. by 2½ In. Fixed Mouth; manufactured by the Exhibitors. Price £2 10s. To cut one length.

2884—Hand Chaff Cutter, No. 1 N D; manufactured by the Exhibitors. Price £2 15s. Similar to the above, but to cut two lengths.

2885—Sack-Lifter and Barrow, No. 1 Size, for General Purposes manufactured by the Exhibitors. Price £2 10s.

2886—Sack-Lifter and Barrow, No. 2, to Lift the Height of a Dray; manufactured by the Exhibitors. Price £3 10s.

2887—No. 3 Royal Society's Cardiff Prize Corn-Dressing and Winnowing Machine; manufactured by the Exhibitors. Price £10. For fine dressing; also an efficient blower.

Stand No. 103.—*Burgess and Key, of Holborn Viaduct, London, E. C.*

Article 2888—(*New Implement.*)—Patent Reaper with Binding Apparatus; manufactured by the Exhibitors. Price £60. The reaper can be used without the binder when desired; the binding is done with string, thus obviating the great objection there is to the wire binders.

2889—Patent Regulating Reaper; manufactured by the Exhibitors. Price £35. This reaper has a ready means of regulating the delivery, so that sheaves are made of any size required, and delivered of equal size all over the field, though the crop may vary in bulk.

2890—Patent Self-Raker Reaper; manufactured by the Exhibitors. Price £32 10s. Similar to their ordinary self-raker reaper, but made with a swinging cam and lever, so that the driver can readily cause the rakes to lift at the corners and deposit the sheaves, so that spaces are left for the horses to turn without treading out the corn.

2891—Patent Self-Raker Reaper; manufactured by the Exhibitors. Price £30; with swathing rakes, £1 extra. Made on their new system, and having the seat so placed that the driver's weight falls on the large wheel, and taking some of the weight from the smaller one.

2892—1-Horse Manual-Delivery Reaper; manufactured by the Exhibitors. Price, with one knife, £17; track-clearer for clover, £1 extra. Constructed on the "direct thrust" principle.

2893—Manual-Delivery Reaper; manufactured by the Exhibitors. Price with one knife, £17; track-clearer for clover, £1 extra. Similar to the above, but fitted with a pole for two horses.

2894—Improved "M. O. 6" Mower; manufactured by the Exhibitors. Price, with two knives, £20. Has the knife (which is put in and taken out at the back) in a line with the main axle, and the crank level with the knife, which enables the cutter-bar to travel over uneven surfaces without danger of the points catching the ground.

2895—Combined Mower and Reaper, "M. O. 6;" manufactured by the Exhibitors. Price, with two knives, £23 10s. Similar in principle to the above, but fitted with the apparatus for reaping corn.

2896—Improved "M. O. 8" Mower; manufactured by the Exhibitors. Price, with two knives, £20. The weight of this machine is reduced considerably, without in the least impairing its strength or efficiency, and is fitted with their patented arrangement for putting in and taking out the knife at the back.

2897—Combined Mower and Reaper, "M. O. 8;" manufactured by the Exhibitors. Price, with two knives, £23 10s. Similar in principle to the above, but fitted with the apparatus for reaping corn.

2898—New Patent "N. L." Mower; manufactured by the Exhibitors. Price, with two knives, £18. Constructed on the American principle, combined with some of the most important points of the English mowers. It has the knife in advance of the main axle with what is now well-known and approved as the "direct thrust" principle, or the crank level with the knife.

Stand No. 104.—*John Lyon Field, of 22, Buckingham Street, Strand, Middlesex.*

Article 2899—(*New Implement.*)—Neale's Patent Combined Reaping and Sheaf-Binding Machine; manufactured by Chas. Sugrey, of 22, Buckingham Street, Strand, W.C. Price £70. It binds with string, and delivers sheaf gently, and can in a few minutes be altered so as to be used as a side-delivery reaper alone. Is adapted for any length of grain, size of sheaf, &c.; well balanced, and can pass any ordinary gates.

Stand No. 105.—*Logan and Elder, of Berwick-on-Tweed.*

Article 2900—(*New Implement.*)—"Logan's" Sickle-Grinder; manufactured by the Exhibitors. Price £2 2s. Being at pleasure either an ordinary grindstone or a stone for sharpening the knives of reaping and mowing-machines. (*For Trial.*)

2901—Combined Reaper and Mower, "Climax;" manufactured by the Exhibitors. Price £22 10s.

2902—Mower, "Climax;" manufactured by the Exhibitors. Price £19.

2903—(*New Implement.*)—Patent Self-Lift Cultivator; manufactured by the Exhibitors. Price £9 15s.

2904—Combined Turnip and Mangold-Sower; manufactured by the Exhibitors. Price £7.

2905—Lever Turnip-Slicer; manufactured by the Exhibitors. Price £1 10s.

2906—American Hay-Collector; manufactured by the Exhibitors. Price £1 15s.

2907—Sack-Truck; manufactured by the Exhibitors. Price 16s.

2908—1 or 2-Horse Cart; manufactured by A. Shiel, of Coldstream, N.B. Price £16 16s. Has double tipper for manure, and solid iron axle.

2909—Harvest-Cart; manufactured by A. Shiel. Price £16 10s.

Stand No. 106.—*John Richardson, of Machine Works, London Road, Carlisle, Cumberland.*

Article 2910—(*New Implement.*)—Hand Grass-Seed Dressing Machine; manufactured by the Exhibitor. Price £12 10s.

2911—Corn-Dressing Machine; manufactured by the Exhibitor. Price £10. Fitted with six riddles and two sieves; delivers the grain at the side.

2912—Corn-Dressing Machine; manufactured by the Exhibitor. Price £8. Fitted with six riddles and two sieves; delivers the grain at the end.

2913—Corn-Dressing Machine; manufactured by the Exhibitor. Price £10. Fitted with oscillating screen; six riddles and four sieves, and pulley for corn elevator.

2914—Corn Elevator; manufactured by the Exhibitor. Price £5..

Stand No. 107.—*H. J. H. King, of Newmarket,
Stroud, Gloucestershire.*

Article 2915—(*New Implement.*)—Sheaf-Binding Machine, to Tie with String, "King and Remford's Patent;" manufactured by the Exhibitor. Price £65.

Stand No. 108.—*Brigham and Co., of the Tweed Im-
plement Works, Berwick-upon-Tweed, Northumberland.*

Article 2916—Patent Buckeye Junior Reaper and Mower Combined; manufactured by the Exhibitors. Price £24.

2917—Patent Star Combined Reaper and Mower, Size D; manufactured by the Exhibitors. Price £21 10s.

2918—Patent Star Buckeye Mower, Size C; manufactured by the Exhibitors. Price £18.

2919—Patent Star Mower, Size B; manufactured by the Exhibitors. Price £17. Suitable for either one or two horses.

2920—Patent Drill Roller, for Rolling Turnip, Potato, or other Drills; manufactured by the Exhibitors. Price £6 10s.

2921—(*New Implement.*)—New Patent Broadcast Seed Sowing Machine; manufactured by the Exhibitors. Price £25. For grain, grass and turnip seeds, with chain harrow attached; specially made and adapted for colonial use. (*For Trial.*)

Stand No. 109.—*Gill and Carting, of Guildford,
Surrey.*

Article 2922—Chaff Cutter, No. C C X; manufactured by Bentall and Co., of Malden. Price £2 5s. Adapted for a gentleman's stable.

2923—Chaff Cutter, No. C D C; manufactured by Bentall and Co. Price £3 15s. Cuts two lengths.

2924—Chaff Cutter, No. 59; manufactured by Richmond and Chandler, of Salford. Price £5 15s. Fitted with rising mouthpiece, steel mouth plate; the cut can be varied at pleasure.

2925—Chaff Cutter, No. 63; manufactured by Richmond and Chandler. Price £8 15s. Fitted with self-feeding web, adjustable mouthpiece, and reversing motion.

2926—Chaff Cutter, No. 64; manufactured by Richmond and Chandler. Price £11 10s. Fitted with self-feeding web. Same as above, but larger and stronger. For hand or power. If with pulleys, 14s. extra.

2927—30-Knife Turnip Cutter; manufactured by Samuelson and Co., of Banbury. Price £4 10s.

2928—Double-Action Turnip Cutter ; manufactured by Samuelson and Co. Price £5 10s. Cutting both finger-pieces and slices.

2929—Barrel Root Pulper, No. R P B ; manufactured by Bentall and Co., of Maldon. Price £5 5s.

2930—Disc Root Pulper, No. 4 ; manufactured by Page and Co., of Bedford. Price £2 15s.

2931—Disc Root Pulper, No. q n d ; manufactured by Page and Co. Price £3 15s.

2932—Oil Cake Breaker, No. o c n ; manufactured by Bentall and Co. Price £3 3s. Breaks different sizes.

2933—Oil Cake Breaker, No. 3 x ; manufactured by Barford and Co., of Peterborough. Price £3 10s. With 16 in. mouthpiece, to take the extra wide cakes recently introduced into the market.

2934—Rick Borer ; manufactured by the Exhibitors. Price £3 3s. Very useful in cases of over-heating.

2935—Galvanized Liquid Manure Pump on Portable Stand ; manufactured for the Exhibitors. Price £2 10s.

2936—Water or Liquid Manure Carrier, with Cover ; manufactured for the Exhibitors. Price £2 10s.

2937—Grindstone on Wood Frame and Friction Rollers ; manufactured by W. A. Wood, of London. Price £2.

2938—Sack Truck, No. 1 ; manufactured for the Exhibitors. Price 11s. 6d.

2939—Sack Truck, No. 2 ; manufactured for the Exhibitors. Price 13s. 6d.

2940—Sack Truck, No. 3 ; manufactured for the Exhibitors. Price 14s.

2941—Sack Truck, No. 4 ; manufactured for the Exhibitors. Price 16s. 6d.

2942—Japanned Corn Bin, holding 4 Bushels ; manufactured for the Exhibitors. Price 19s.

2943—Round Galvanized Corn Bin, 4 Bushels ; manufactured for the Exhibitors. Price £1 1s.

2944—Square Galvanized Corn Bin, with Division, 8 Bushels ; manufactured for the Exhibitors. Price £2 2s.

2945—Galvanized Seed Hopper for Broadcast Sowing ; manufactured for the Exhibitors. Price 4s.

2946—Collection of Galvanized Manure Jets ; manufactured for the Exhibitors. Price 3s. 6d. to 5s.

2947—Galvanized Turnip Skip, 1 Bushel ; manufactured for the Exhibitors. Price 4s. 6d.

2948—Galvanized Turnip Skip, 1½-Bushel ; manufactured for the Exhibitors. Price 5s. 6d.

2949—Galvanized Turnip Skip, with Flued Sides, 1 Bushel ; manufactured for the Exhibitors. Price 4s. 6d.

2950—Round Iron Trough for Oil-Cake Feeding ; manufactured for the Exhibitors. Price 5s.

2951—Oblong Cast-Iron Water Trough, Holding 12 Gallons ; manufactured for the Exhibitors. Price 8s. 6d.

2952—3-Ft. Cattle Trough ; manufactured for the Exhibitors. Price 19s. 6d.

2953—Horse Hoe, No. H 1; manufactured by Page and Son, of Bedford. Price £2 2s.

2954—Patent Lever Horse Hoe, No. o o, 28 Steel Teeth, 42-In. Wheels; manufactured by Howards, of Bedford. Price £10.

2955—New Anglo-American Horse Rake, 28 Steel Teeth, and Seat, No. A A 9; manufactured by Ransome and Sims, of Ipswich. Price £8 10s.

2956—One-Horse Iron Plough, R H C, 2 Wheels, Skim Coulter, and Steel Breast; manufactured by Ransome and Sims. Price £4 5s.

2957—Trussed Beam Plough, Y L, 2 Wheels, Skim Coulter, and Steel Breast; manufactured by Ransome and Sims. Price £6.

2958—Champion Plough, No. P, 2 Wheels, Skim Coulter, and Steel Breast; manufactured by Howards, of Bedford. Price £5 12s. 6d.

2959—Set of Light Seed Harrows, 7-Ft. 9-In. Wide, No. o; manufactured for the Exhibitors. Price £2 7s. 6d.

2960—Set of Seed Harrows, 8-Ft. 3-In. Wide, No. 1; manufactured for the Exhibitors. Price £3 10s.

2961—Set of Drag Harrows, W; manufactured by Page and Co., of Bedford. Price £5 15s. 8 feet wide; suitable for 4 or 6 horses.

2962—New Reaper, with 4 Controllable Rakes; manufactured by W. A. Wood, of London. Price £30.

2963—Spring Balance Reaper, with 5 Controllable Rakes; manufactured by Hornsby, of Grantham. Price £32.

Stand No. 110.—*William Cottis and Sons, of the Iron Works, Epping, Essex.*

Article 2964—Paragon Chaff Cutter, A; manufactured by the Exhibitors. Price £3 15s. This is a simple direct acting machine, with face wheel and sliding pinion on main shaft to vary length of cut; rising mouth, tooth rollers, steeled face, and cuts two lengths, $\frac{1}{8}$ ths in. and $\frac{3}{8}$ ths in.

2965—Paragon Chaff Cutter, B; manufactured by the Exhibitors. Price £4 2s. 6d. Similar to A machine, but more powerful.

2966—Paragon Chaff Cutter, C; manufactured by the Exhibitors. Price £4 10s. Similar to A and B machines, but still larger, having 9½-in. mouth.

2967—Paragon Chaff Cutter, D; manufactured by the Exhibitors. Price £6. Similar principle to A, B, and C machines, but still larger and stronger, having a 10½-in. mouth; cuts three lengths, and is fitted with an additional side handle for two men.

2968—Paragon Chaff Cutter, D H; manufactured by the Exhibitors. Price £7. Fitted with patent stop and reverse motion and safety lever for working by horse; cuts three lengths, and is also fitted with auxiliary handle for two men.

2969—Improved Single Wheel Drill Steerage; manufactured by the Exhibitors. Price £5 15s. 6d. Made to affix to any of the ordinary or Suffolk corn drills.

2970—Light Jointed Barley Roll; manufactured by the Exhibitors. Price £8 8s. This implement is adapted for stetch work, and is arranged to cover all the land when rolling across the stubbles or on the flat.

2971—Field Roller; manufactured by the Exhibitors; Price £11. With wrought angle-iron frame and wood shafts; cast-iron cylinder in three parts, 18 in. diam., 7 ft. 6 in. long.

2972—Field Roller; manufactured by the Exhibitors. Price £14 10s. With wrought angle-iron frame and wood shafts; cast-iron cylinder in three parts, 24 in. diam., 7 ft. 6 in. long.

2973—Wood Beam "Advance" Foot Plough; manufactured by the Exhibitors. Price £2 7s. 6d. This is a sample of the Essex foot plough, with improved method of attaching the lever or spit; also share and breast.

2974—Wood Beam "Advance" Foot Plough; manufactured by the Exhibitors. Price £2 18s. An Essex foot plough, with improvements, and fitted with a round side coulter and draft chain.

2975—Light Expanding Hoe for Pony or Cob; manufactured by the Exhibitors. Price £2 12s. 6d. This is a light implement with 3 tines, the side one being Exhibitors' patent adjustable flat tines.

2976—Patent Expanding Horse Hoe; manufactured by the Exhibitors. Price £3 10s. A 5-tined implement, with patent wrought-iron arms, and flat adjustable tines, being actuated by one central handle, and locked in position by one centre nut; to open 2 ft.

2977—Patent Expanding Horse Hoe; manufactured by the Exhibitors. Price £4 7s. 6d. A 5-tined patent expanding horse hoe to open 3 ft., and having a pair of adjustable front wheels.

2978—Patent Expanding Hop Nidget; manufactured by the Exhibitors. Price £3 15s. Similar in construction to Articles No. 2976 and 2977, but having shorter beams and handles for turning in hop gardens.

2979—Patent Expanding Scarifier; manufactured by the Exhibitors. Price £4 15s. Strong implement on three wheels.

2980—Patent Expanding 5-Tined Grubber; manufactured by the Exhibitors. Price £4 5s. Strong implement for grubbing, with two front wheels, to open 2 ft.

2981—Iron Beam Double Tom Plough; manufactured by the Exhibitors. Price £3 5s. With one front wheel, and deep breasts for moulding up.

2982—Potato Fork; manufactured by the Exhibitors. Price 15s. To attach to any of the horse hoes, or to double tom for raising potatoes.

2983—Double Tom Body; manufactured by the Exhibitors. Price £1 10s. A small moulding-up body to attach to any of the horse hoes.

2984—Set of Four 3-Beam Harrows and Weightree, No. 2; manufactured by the Exhibitors. Price £3. Made to cover 7 ft. 6 in.; for preparing seed bed.

2985—Set of Four 3-Beam Harrows and Weightree, No. 3; manufactured by the Exhibitors. Price £3 7s. 6d. A light pair horse harrow, to cover 7 ft. 6 in.

2986—Set of Four 3-Beam Harrows and Weightree, No. 5; manufactured by the Exhibitors. Price £4 7s. 6d. A general purpose pair horse harrow, to cover 7 ft. 6 in.

2987—Circular Iron Pig or Sheep Trough; manufactured by the Exhibitors. Price 8s. 6d. Having eight divisions.

2988—Circular Iron Pig Trough; manufactured by the Exhibitors. Price 13s. With eight or ten divisions.

2989—Round Cattle Pan; manufactured by the Exhibitors; Price 4s. Small pan for oil cake.

2990—Round Cattle Pan; manufactured by the Exhibitors. Price 6s. 6d. Large pan for oil cake.

2991—Iron Pig Trough, 2 Ft. Long; manufactured by the Exhibitors. Price 3s. 6d.

2992—Iron Pig Trough, 3 Ft. Long; manufactured by the Exhibitors. Price 5s.

2993—Iron Pig Trough, 4 Ft. Long; manufactured by the Exhibitors. Price 6s. 6d.

2994—Circular Poultry Trough; manufactured by the Exhibitors. Price 10d.

2995—Oblong Poultry Trough; manufactured by the Exhibitors. Price 1s. 8d.

2996—12-In. Poultry Trough; manufactured by the Exhibitors. Price 1s. 6d.

2997—18-In. Poultry Trough; manufactured by the Exhibitors. Price 1s. 9d.

2998—24-In. Poultry Trough; manufactured by the Exhibitors. Price 2s.

2999—Dog Trough; manufactured by the Exhibitors. Price 2s. 3d.

Stand No. 111.—*Walter A. Wood, of 36, Worship Street, London, E.C.*

Article 3000—Wood's New Reaper; manufactured by the Exhibitor. Price £28, with 2 knives and extras. A self-delivery reaper for two horses with 4 fixed rakes, iron frame, bearings brass-bushed, perfect delivery, leaving broad track for the horses; the platform can be turned up for transport, and will then pass through a gateway 4 ft. in width.

3001—Wood's 4-Rake Controllable Self-Delivery Reaper; manufactured by the Exhibitor. Price £30, with 2 knives and extras. For two horses; the same in general construction as Article No. 3000, but having 4 controllable rakes, by which the size of the sheaf can be regulated at the will of the driver.

3002—Wood's 5-Rake Controllable Self-Delivery Reaper; manufactured by the Exhibitor. Price £32, with 2 knives and extras. For 2 horses. Same in general construction as Articles Nos. 3000 and 3001, but having 5 rakes, which can be set so that every second, third, fourth or fifth rake will deliver automatically; and be made beaters by pressing the foot treadle; improved for 1879. It offers decided advantages over all kind of crops.

3003—Mowing Attachment for 5-Rake Controllable Reaper; manufactured by the Exhibitor. Price £12, with two knives and extras. This machine comprises a separate frame and gearing, finger bar, and cutting apparatus complete, only the ground wheels, pole and seat being taken from the reaper.

3004—Wood's 1-Horse Self-Delivery Reaper; manufactured by the Exhibitor. Price £24, with 2 knives and extras. The same in general construction as Article No. 3002, but with a narrower cut, and much lighter in weight, having 5 controllable rakes, as in the 2-horse machine.

3005—Wood's Self-Binding Harvester; manufactured by the Exhibitor. Price £65, with 2 knives and extras. Two-horse machine for cutting grain and delivering it bound in sheaves; improved for 1879, so that straw five ft. in length can be cut and bound in a manner far superior to any hand or ordinary machine work; width of cut 5 ft.

3006—Wood's Self-Binding Harvester; manufactured by the Exhibitor. Price £70, with 2 knives and extras. The same in construction as Article No. 5005, but with a width of cut of 6 ft. and with improved binding apparatus.

3007—Wood's Iron Frame Mower; manufactured by the Exhibitor. Price £19, with 2 knives and extras. For two horses. This machine is too well known to require any detailed description. It is still in great favour, and is the most perfect and reliable mower made. Cut 4 ft. 3 in.

3008—Wood's New 2-Horse Iron Frame Mower; manufactured by the Exhibitor. Price £19, with 2 knives and extras. The most novel, complete, and perfect machine of its kind yet produced; all gearing has been removed from wheels, reduced to the smallest possible compass, and covered to protect from dust and dirt, and it has but few bearings.

3009—Wood's Combined Mower and Reaper, Manual Delivery; manufactured by the Exhibitor. Price £22 10s., with 2 knives and extras. As a mower, the same as Article No. 3007. The reaping attachment is simple and efficient, and is made to turn up for transport on the road.

3010—Wood's New 1-Horse Mower; manufactured by the Exhibitor. Price £17 10s., with 2 knives and extras. The same in general construction as Article No. 3008, but much lighter, and cutting only 3 ft. 3 in. This mower has been pronounced the most novel, complete and successful 1-horse mower ever produced.

3011—Wood's 2-Horse Manual Delivery Reaper; manufactured by the Exhibitor. Price £17, with 2 knives and extras. First introduced in 1873 and improved for 1879; simple in construction, gearing contained within the wheel, cuts 5 ft. wide, and weighs only a little over 5½ cwt. The platform is hinged for transport.

3012—Wood's 1-Horse Manual Delivery Reaper; manufactured by the Exhibitor. Price £15 10s., with 2 knives and extras. The same in construction as Article No. 3011, but cutting only 4 ft. 6 in. wide, and weighing only 5 cwt. The platform is hinged as in the 2-horse machine.

3013—Nova Scotia Grindstone; imported by the Exhibitor. Price £2. For sharpening mower and reaper knives; mounted on wood frame and fitted with anti-friction rollers, treadle and handle; can be worked by foot or hand.

Stand No. 112.—*John Cooke, of Lincoln.*

Article 3014—Patent Double-Furrow Match Plough, x L R S S; manufactured by the Exhibitor. Price £11. Fitted with all appliances for producing highly-finished work.

3015—Patent Double-Furrow Plough, x L R 2, for Strong Land, &c.; manufactured by the Exhibitor. Price £9 10s.

3016—Patent Double-Furrow Plough, x L R 1, for Strong Land, &c.; manufactured by the Exhibitor. Price £9 10s.

3017—Patent Double-Furrow Plough, x L R W, for Light and Medium Soils; manufactured by the Exhibitor. Price £9.

3018—Patent Double-Furrow Plough, *xLRW*, with Deep Breasts, &c., for Continental use, &c.; manufactured by the Exhibitor. Price £9 5s.

3019—Patent Light Double-Furrow Plough, *xLRN*; manufactured by the Exhibitor. Price £8 10s.

3020—Patent Light Double-Furrow Plough, *xLRN*, No. 2; manufactured by the Exhibitor. Price £7 10s.

3021—Patent Light Double-Furrow Plough, with Cast Breasts, *xLRN*, No. 2; manufactured by the Exhibitor. Price £7.

3022—Patent Light Double-Furrow Plough, *xLRN*, No. 2, with Deep Steel Breasts, &c., for Exportation; manufactured by the Exhibitor. Price £7 15s.

3023—Patent Single-Furrow Match Plough, with all Appliances Complete, *xLSS*; manufactured by the Exhibitor. Price £6.

3024—Patent General Purpose Plough, *xL*, No. 2; manufactured by the Exhibitor. Price £5.

3025—Patent General Purpose Plough, *xL*, No. 1; manufactured by the Exhibitor. Price £4 15s.

3026—Patent Plough, same as the Preceding, but with Iron instead of Wood Hales; manufactured by the Exhibitor. Price £5.

3027—Patent Plough for very deep and heavy work, *xLU*; manufactured by the Exhibitor. Price £7 10s.

3028—Patent (Kent) Plough, *xL*, No. 2, Complete; manufactured by the Exhibitor. Price £6 5s.

3029—Patent (Kent) Plough, same as the Preceding, but with Iron instead of Wood Hales; manufactured by the Exhibitor. Price £6 10s.

3030—Patent Light 2-Horse Plough, *xLRC*, No. 2; manufactured by the Exhibitor. Price £4 10s.

3031—Patent Plough, same as the Preceding, but with Cast instead of Steel Breast; manufactured by the Exhibitor. Price £4 5s.

3032—Patent *xLRC*, No. 2 Plough, with Deep Breast, &c., for Exportation; manufactured by the Exhibitor. Price £4 15s.

3033—Patent Light 1- or 2-Horse Plough, *xLRC*, Complete, with Steel Breast and Wheels, &c.; manufactured by the Exhibitor. Price £3 18s.

3034—Patent Light 1- or 2-Horse Plough, *xLRC*, with Cast Breast, &c. (Swing); manufactured by the Exhibitor. Price £2 15s.

3035—Patent Light 1- or 2-Horse Plough, *xLRC*, with Deep Steel Breast and Wheels, &c., for Exportation; manufactured by the Exhibitor. Price £3 16s.

3036—General Purpose Iron Plough, *kL*, No. 2, Fitted with Steel Breast and Wheels, &c., Complete; manufactured by the Exhibitor. Price £5.

3037—Heavy Land Iron Plough, *c*, Fitted with Steel Breast and Wheels, &c., Complete; manufactured by the Exhibitor. Price £5 10s.

3038—Light 1-Horse Iron Plough, *LN*, Fitted with Steel Breast and Wheels, &c., Complete; manufactured by the Exhibitor. Price £3 12s.

3039—Light 1-Horse Iron Plough, *LN*, with Cast Breast, &c., Swing; manufactured by the Exhibitor. Price £2 12s.

3040—Improved Iron Ridging and Earthing Plough, Fitted with Potato Raiser and Two Wheels; manufactured by the Exhibitor. Price £4 2s. 6d.

3041—Patent Bidding and Earthing Plough, x x, Fitted with Two Wheels and Marker, &c., Complete; manufactured by the Exhibitor. Price £4 Os. 6d.

3042—General Purpose Wood Plough, A, Fitted with Steel Breast and Wheels, &c., Complete; manufactured by the Exhibitor. Price £4 6s.

3043—Light Land Wood Plough, L, Fitted with Cast Breast, Lanes and Flat-Coulter (Swing); manufactured by the Exhibitor. Price £2 18s.

3044—General Purpose Wood Plough, w k L, Fitted same as the A Plough, but differing in construction from any other wood plough, in having no Mortice-Holes; manufactured by the Exhibitor. Price £4 6s.

3045—Light 1- or 2-Horse Wood Plough, B, with Cast Breast Lanes, and Flat-Coulter (Swing); manufactured by the Exhibitor. Price £2 10s. 6d.

3046—General Purpose Yorkshire Wood Plough, A, with Bow Holes, &c., Fitted with Steel Breast, &c., Complete (Swing); manufactured by the Exhibitor. Price £3 10s.

3047—General Purpose Wood Plough (WARP), Fitted with Wheels, Deep Steel Breast, and Flat Sole, &c., for Warp Land; manufactured by the Exhibitor. Price £4 6s.

3048—Assortment of Ploughshares and other Wearing Parts and Fittings, &c.; manufactured by the Exhibitor. Prices various, according to printed lists.

Stand No. 113.—Ord and Maddison, of Darlington, Durham.

Article 3049—Koldmoos Weed Eradicator (Jurgenson's Patent); manufactured by the Exhibitors. Price £25. This machine is improved and manufactured by the Exhibitors, and is employed for the removal of "charlock" or wild mustard and other troublesome weeds from the growing crops of corn.

3050—1-Horse Reaping Machine; manufactured by the Exhibitors. Price £12 10s. With two knives and all requisite parts, width of cut, 4 ft. 9 in.

3051—Rotary Gravel Screen; manufactured by the Exhibitors. Price £5 10s. This machine is used for screening gravel for footpaths and cart roads; 4 ft. 9 in. long, 2 ft. diam.

3052—Winnowing and Blowing Machine; manufactured by the Exhibitors. Price £8. Improved winnowing and blowing machine; size of riddles, 18 in. by 18 in.

3053—2 Row Ridge Turnip Drill; manufactured by the Exhibitors. Price £5.

3054—Chaff Cutters; manufactured by the Exhibitors. Price £4 10s.

3055—Chaff Cutters; manufactured by the Exhibitors. Price £3.

Stand No. 114.—*The Johnston Harvester Co., of
1 and 2, Chiswell Street, London, E.C.*

Article 3056—Combined Self-Rake Reaper and Mower, with 5 Rakes ; manu factured by the Exhibitors. Price £40.

3057—Combined Self-Rake Reaper and Mower ; manu factured by the Exhibitors. Price £33 10s.

3058—Wrought-Iron Harvester, with 5 Rakes ; manu factured by the Exhibitors. Price £32.

3059—2-Horse Grass Mower ; manu factured by the Exhibitors. Price £20.

3060—“ Continental ” Self-Rake Reaper, for 2 Horses ; manu factured by the Exhibitors. Price £25.

3061—“ Continental ” Self-Rake Reaper for 1-Horse ; manu factured by the Exhibitors. Price £24.

3062—Harvester and String Sheaf Binder ; manu factured by the Exhibitors. Price £35.

3063—Sheaf Binder Attachment for Wrought-Iron Harvester ; manu factured by the Exhibitors. Price £30.

Stand No. 115.—*S. Whiteside and Co., of 41, Fox
Street, Liverpool.*

Article 3064—(New Implement.)—“ Osborne’s ” Harvester and Automatic Self Binder ; manu factured by D. M. Osborne and Co., of Ashburn, N. Y., U. S. A. Price £65. The grain is cut and falls upon an endless apron, which conveys it to the binder, where it is securely caught, the wire carried round, cut off, and twisted. The driver, with a foot-treadle, can bind any size sheaf required.

3065—Osborne’s “ Kirby,” 1-Horse Grass Mower ; manu factured by D. M. Osborne and Co. Price £17 10s. This machine is very simple, strong, and durable ; obtains floating motion over rough ground by means of two jointed frames, which arrangement prevents breakage ; very easy in draught ; cuts 3 ft. 9 in.

3066—Osborne’s “ Kirby,” 2-Horse Grass Mower ; manu factured by D. M. Osborne and Co. Price £19. Similar in construction to above ; cuts 4 ft. 3 in.

3067—Osborne’s “ Kirby,” 2-Horse Combined Mower and Reaper (Manual Delivery) ; manu factured by D. M. Osborne and Co. Price £22 10s. Similar to the above, but with reaping parts attached ; cuts 4 ft. 3 in.

3068—Osborne’s “ Baltimore ” Combined Self-Delivery Mower and Reaper ; manu factured by D. M. Osborne and Co. Price £30. This machine is one of the best, easiest working, and most reliable self-rakers, and will work on rougher land than any machine in use ; cuts 4 ft. 8 in. in mowing, and 5 ft. in reaping.

3069—Osborne’s “ Kirby ” Self-Delivery Reaper ; manu factured by D. M. Osborne and Co. Price £30. This machine has jointed frame, peculiar to Kirby machines, which gives an easy floating motion over rough ground. It has no side draught, and the driver can alter height of cut or size of sheaf while sitting on machine ; cuts 5 ft. ; flat form can be folded for travelling.

3070—Osborne's "Wheeler" Combined Self-Delivery Mower and Reaper; manufactured by D. M. Osborne and Co. Price £35. Its great strength and surprisingly easy draught recommend it for hilly or rough districts. It will cut grass or grain equal to any single mower or reaper. Platform and finger bar can be folded to pass through a gateway 4 ft. 6 in. wide; cuts 4 ft. 6 in., either grass or corn.

3071—(*New Article.*)—Samples of Patent Continuous Steel Fencing; manufactured by the Exhibitors (patentees). Price from 1s. 1d. per yard. Constructed of $\frac{3}{4}$ hoop steel, which is twisted and then secured in patent notches on either wood or iron posts; is warranted to stand a pressure of 45 cwt. per square inch; will suit either field, park, or private mansion; requires no straining posts, but supports its own posts.

3072—(*New Article.*)—Plain Wooden Frame Field Gate; manufactured by the Exhibitors. Price £1 5s. This gate is constructed of wooden frame, and fitted with Exhibitors' patent fence hoop steel, which makes it very light and serviceable.

3073—(*New Implement.*)—Ornamental Iron Frame Field Gate; manufactured by the Exhibitors. Price £3. Similar in construction to above, but with ornamental iron frame, very light and strong.

3074—New Improved Chain Pump (5 sizes); manufactured by R. H. Whiteside, of Preston. Price from £3. These pumps are fitted with patent lap welded wrought-iron tubing, unbreakable by the action of frost, and the head and wheel neatly covered in. They are specially adapted for pumping liquid manure, gas-tar, thick water from clay pits and cesspools.

3075—Specimen of American Cast Steel Hay and Manure Forks; manufactured by the Auburn Manufacturing Co., of Auburn, N. Y., U. S. A. Price from £1 7s. per doz.

3076—Sample of American Cast Steel Garden Tools; manufactured by the Auburn Manufacturing Co. Price from £1 4s. per doz.

3077—Specimen of American Patent Scythes and Snathes; manufactured by the Auburn Manufacturing Co. Price from £1 16s. per doz.

3078—Samples of American Axes, Hatchets, Machines, Wrenches, and Field Locks. Price from £1 4s. per doz.

Stand No. 116.—*A. C. Bamlett, of Thirsk, Yorkshire.*

Article 3079—Iron Frame Mowing Machine; manufactured by the Exhibitor. Price £20. Fitted with Exhibitor's new patented finger made of wrought iron faced with steel, both on the upper and under sides of the finger slot.

3080—Iron Frame Mowing and Reaping Machine; manufactured by the Exhibitor. Price £22. Fitted with front swivel wheel.

3081—Iron Frame Combined Mowing and Reaping Machine; manufactured by the Exhibitor. Price £26.

3082—Wood Frame Combined Mower and Reaper; manufactured by the Exhibitor. Price £28.

3083—Wrought-Iron Frame 1-Horse Reaper; manufactured by the Exhibitor. Price £17. Won the First Prize at the R. A. S. E. Manchester Trials.

3084—Wrought-Iron Frame 2-Horse Reaper; manufactured by the Exhibitor. Price £18. Won the Prize of £10 at the R. A. S. E. Manchester Trials.

3085—Self-Raking Reaper; manufactured by the Exhibitor. Price £31 10s. The framework is made of wrought-iron; very strong, light, and durable.

3086—Self-Raking Reaper, No. 2; manufactured by the Exhibitor. Price £30.

3087—(*New Implement.*)—Self-Raking Reaper, No. 3; manufactured by the Exhibitor. Price £35. With controllable rakes and to fold up for travelling on the road.

3088—(*New Implement.*)—1-Horse Reaper; manufactured by the Exhibitor. Price £15 10s.

3089—1-Horse Mowing Machine; manufactured by the Exhibitor. Price £18.

3090—No. 4 Mowing Machine; manufactured by the Exhibitor. Price £19.

3091—Wood Frame Mowing Machine; manufactured by the Exhibitor. Price £24.

3092—No. 3 Iron Frame Mower; manufactured by the Exhibitor. Price £21.

3093—(*New Implement.*)—Stook or Shook Shifter; manufactured by the Exhibitor. Price 10s. For shifting stooks to facilitate fielding and prevent injury to young clovers in wet harvests; it is formed by two side bars armed with teeth that can be closed in the stook, which is shifted entire into fresh ground without waste or disturbance.

3094—Stand for Holding Reaper or Mower Knives whilst Sharping. Price 10s. 6d.

Stand No. 117.—*Aveling and Porter, of Rochester, Kent.*

Article 3095—6-Ton Steam Road Roller; invented, improved, and manufactured by the Exhibitors. Price £350. Is fitted with patent side plate brackets, carrying crankshaft and countershafts, the gearing being fitted between bearings. It can be turned round in little more than its own length, &c.

3096—15-Ton Steam Road Roller; manufactured by the Exhibitors. Price £570. Is fitted with patent side plate brackets, carrying crankshaft and countershafts, the gearing of best crucible steel being fitted between bearings. It can be turned round in little more than its own length; and is adapted for driving a stone-breaker or other fixed machinery.

3097—8-Horse Power Locomotive Engine for Steam Ploughing; manufactured by the Exhibitors. Price £585. One of a pair to work a double-engine set of ploughing machinery. Has Aveling's patent wrought-iron side-plate brackets, and can be used for thrashing or hauling.

3098—14-Horse Power Locomotive Engine for Steam Ploughing; manufactured by the Exhibitors. Price £715. One of a pair to work a double-engine set of ploughing machinery. Has Aveling's patent wrought-iron side-plate brackets.

3099—4-Horse Power Agricultural Locomotive Engine; manufactured by the Exhibitors. Price £300. Is fitted with patent side-plate brackets, carrying crankshaft and countershafts, the gearing of best crucible steel being fitted between bearings, has 2 speeds, and is adapted for hauling, thrashing, driving fixed machinery, and the general work of a farm.

3100—6-Horse Power Agricultural Locomotive Engine; manufactured by the Exhibitors. Price £340. Is fitted similar to 4-horse power, as above.

3101—8-Horse Power Agricultural Locomotive Engine; manufactured by the Exhibitors. Price £400. Is fitted similar to 4-horse power, as above.

3102—6-Horse Power Road Locomotive Engine; manufactured by the Exhibitors. Price £450. Is fitted with patent side-plate brackets, carrying crankshaft and countershafts, the gearing of best crucible steel being fitted between bearings, is arranged for either fast or slow speeds, and is adapted for drawing heavy loads on ordinary roads. Fitted with extra large driving wheels.

3103—8-Horse Power Road Locomotive Engine; manufactured by the Exhibitors. Price £510. Is fitted similar to 6-horse power, as above.

3104—Sleeping Van; manufactured by the Exhibitors. Price £85; with bedding, &c., £95 13s. 6d. Arranged for sleeping 5 men, with separate foreman's compartment.

3105—Waggon to carry 4 Tons; manufactured by the Exhibitors. Price £63. An agricultural locomotive waggon, fitted with wrought-iron wheels and friction brake. Received First Prize at Wolverhampton, 1871.

3106—Waggon to carry 6 Tons; manufactured by the Exhibitors. Price £73. An agricultural locomotive waggon, fitted with wrought-iron wheels and friction brake.

Stand No. 118.—*Charles Burrell and Sons, of St. Nicholas Works, Thetford, Norfolk.*

Article 3107—14-Horse Power Steam Cultivating Engine, Right Hand; manufactured by the Exhibitors. Price £766 15s. This engine is one of a pair for working on the double-engine system, and it is fitted with wrought-iron brackets, patent clutch gear for pinions on the crank shaft, and 400 yards of steel-wire rope of very best quality.

3108—14-Horse Power Steam Cultivating Engine, Left Hand; manufactured by the Exhibitors. Price £766 15s. See description to Article 3107.

3109—8-Horse Power Steam Cultivating Engine; manufactured by the Exhibitors. Price £643. This engine is fitted with patent winding-forward drum on axle, and compensating gear for turning sharp curves, wrought-iron brackets, and 400 yards of steel-wire rope of the very best quality. It is one of a pair for working on the double-engine system.

3110—8-Horse Power Ploughing Traction Engine; manufactured by the Exhibitors. Price £530. This engine is without winding drum and ploughing gear, and the front wheels are put back to make the engine shorter and handier for hauling purposes. It is fitted like Article 3109, with patent winding-forward drum on axle, combined with compensating gear, and 50 yards of steel-wire rope.

3111—6-Horse Power Traction Engine; manufactured by the Exhibitors. Price £400. Fitted with spur gearing, wrought-iron brackets; is capable of hauling 15 tons over any ordinary road, and is well adapted for driving threshing and stationary machines. It is also fitted with patent winding drum on axle, combined with compensating gear, and 50 yards of steel rope, £20 extra.

3112—6-Horse Power Traction Engine; manufactured by the Exhibitors. Price £340. This engine is similar in design to Article 3111, and also fitted with patent winding drum on axle, combined with compensating gear, and 50 yards of steel rope, £20 extra.

3113—6-Horse Power Traction Engine; manufactured by the Exhibitors. Price £360. This engine is similar to Article No. 3111, and it is mounted on springs (Burrell and Edwards' Patent), and the price is £50 extra.

3114—6-Horse Power Traction Engine; manufactured by the Exhibitors. Price £390. This engine is similar to Article 3111, and it is fitted with extra tank capacity.

3115—8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. Fitted with steam-jacketed cylinder, feed-water heater, and all the latest improvements. The boiler is of ample proportions, suitable for burning all kinds of fuel.

3116—Threshing Machine for Finishing the Corn for the Market; manufactured by the Exhibitors. Price £160. Fitted with adjustable rotary screen, and embracing every recent improvement. Drum 5 ft. wide. Holben patent self-feeding apparatus, £15 extra. This machine is capable of doing the largest quantity of work in the most efficient manner.

3117—Threshing and Chaff-Bagging Machine, Single Blast; manufactured by the Exhibitors. Price £140. This is the most simple machine in the market, and one much liked by farmers, as the chaff and corn are sifted together before separation. The drum is 3 ft. wide.

3118—Portable Straw Elevator (Hayes's Patent); manufactured by the Exhibitors. Price £19. To be worked in conjunction with a steam threshing machine, from which it receives the straw direct, carries it to a height of 25 ft., and delivers it at any angle.

3119—Steam-Power Seed Drawer; manufactured by the Exhibitors. Price £57. This is the most perfect machine for drawing and dressing all kinds of clover and trefoil, &c.

3120—5-Furrow Patent Balance Plough; manufactured for the Exhibitors. Price £113. Adapted for steam cultivation, and fitted with patent adjustable malleable iron skives.

3121—11-Tyned Patent Turning Cultivator; manufactured for the Exhibitors. Price £94. For steam cultivation. Can be used at will, either with 9 or 11 tynes.

3122—4-Wheel Water Cart; manufactured by the Exhibitors. Price £35. For working with steam cultivating engines. It is fitted with pump and hose, which is used for filling it.

Stand No. 119.—Harrison, McGregor, and Co., of Albion Ironworks, Leigh, Manchester.

Article 3123—Chaff-Cutter, No. 0; manufactured by the Exhibitors. Price £2 5s.

3124—Chaff-Cutter, No. 1 a; manufactured by the Exhibitors. Price £2 7s. 6d.

3125—Chaff-Cutter, No. 1 B; manufactured by the Exhibitors. Price £2 12s. 6d.

3126—Chaff-Cutter, No. 1 c; manufactured by the Exhibitors. Price £3.

3127—Chaff-Cutter, No. 2 A; manufactured by the Exhibitors. Price £3 17s 6d.

3128—Chaff-Cutter, No. 2 A, with large Fly-Wheel; manufactured by the Exhibitors. Price £4 2s. 6d.

3129—Chaff-Cutter, No. 2 B; manufactured by the Exhibitors. Price £5.

3130—Chaff-Cutter, No. 3; manufactured by the Exhibitors. Price £6.

3131—Chaff-Cutter, No. 3 B; manufactured by the Exhibitors. Price £7 5s.

3132—Chaff-Cutter, No. 3 B, fitted with 2 Handles; manufactured by the Exhibitors. Price £7 15s.

3133—Chaff-Cutter, No. 4, and Pulley; manufactured by the Exhibitors. Price £8 15s. 6d.

3134—Chaff-Cutter, No. 5, and 2 Pulleys; manufactured by the Exhibitors. Price £11 5s.

3135—Chaff-Cutter, No. 6, and 2 Pulleys; manufactured by the Exhibitors. Price £12 5s.

3136—Slicer, No. 1 s; manufactured by the Exhibitors. Price £3 7s. 6d.

3137—Slicer, No. 2 s; manufactured by the Exhibitors. Price £3 17s. 6d.

3138—Slicer, No. 3 s; manufactured by the Exhibitors. Price £4 15s.

3139—Stripper, No. 2 s, for Cutting Finger-Pieces; manufactured by the Exhibitors. Price £4 7s. 6d.

3140—Pulper, No. 1 P; manufactured by the Exhibitors. Price £3 7s. 6d.

3141—Pulper, No. 2 P; manufactured by the Exhibitors. Price £3 17s. 6d.

3142—Pulper, No. 3 P; manufactured by the Exhibitors. Price £4 15s.

3143—Double-Action Pulper and Slicer, No. 2; manufactured by the Exhibitors. Price £5 15s.

3144—Double-Action Pulper and Slicer, No. 3; manufactured by the Exhibitors. Price £6 5s.

3145—Double-Action Pulper and Slicer, No. 4; manufactured by the Exhibitors. Price £7.

3146—Oil-Cake Mill, No. 1; manufactured by the Exhibitors. Price £3 3s.

3147—Oil-Cake Mill, No. 5, Fitted with Two Handles; manufactured by the Exhibitors. Price £6 10s.

3148—Pony Gear; manufactured by the Exhibitors. Price £7.

3149—1-Horse Gear, fitted with Intermediate Motion on same Frame; manufactured by the Exhibitors. Price £9 5s.

3150—1-Horse Gear, fitted with Intermediate Motion complete; manufactured by the Exhibitors. Price £11 10s.

3151—2-Horse Gear, with Intermediate Motion complete; manufactured by the Exhibitors. Price £14 10s.

3152—1-Horse "Albion" Mower, Left-Hand Cutting Bar, 3 Ft. 3 In.; manufactured by the Exhibitors. Price £17 10s.

3153—1-Horse "Albion" Mower, Right-Hand Cutting Bar, 3 Ft. 3 In.; manufactured by the Exhibitors. Price £17 10.

3154—1-Horse "Albion" Combined Mower and Reaper, Right-Hand Cutting Bar, 3 Ft. 3 In.; manufactured by the Exhibitors. Price £20.

3155—1-Horse "Albion" Combined Mower and Reaper, Left-Hand Cutting Bar, 3 Ft. 3 In.; manufactured by the Exhibitors. Price £20.

3156—2-Horse "Albion" Mower, Left-Hand Cutting Bar, 4 Ft. 3 In.; manufactured by the Exhibitors. Price £19.

3157—2-Horse "Albion" Mower, Left-Hand Cutting Bar, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £19.

3158—2-Horse "Albion" Combined Mower and Reaper, Left-Hand Cutting Bar, 4 Ft. 3 In.; manufactured by the Exhibitors. Price £22 10s.

3159—2-Horse "Albion" Combined Mower and Reaper, Left-Hand Cutting Bar, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £22 10s.

3160—2-Horse "Albion" Mower, Right-Hand Cutting Bar, 4 Ft. 3 In.; manufactured by the Exhibitors. Price £19.

3161—2-Horse "Albion" Mower, Right-Hand Cutting Bar, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £19.

3162—2-Horse "Albion" Combined Mower and Reaper, Right-Hand Cutting Bar, 4 Ft. 3 In.; manufactured by the Exhibitors. Price £22 10s.

3163—2-Horse "Albion" Combined Mower and Reaper, Right-Hand Cutting Bar, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £22 10s.

3164—1-Horse "Albion" Manual Delivery Reaper, 4 Ft. 6 In. Cutting Bar; manufactured by the Exhibitors. Price £15 10s.

3165—2-Horse "Albion" Manual Delivery Reaper, 5 Ft. Cutting Bar; manufactured by the Exhibitors. Price £17.

3166—Patent 1-Horse "Albion" Self-Raking Reaping Machine, with Side Delivery and 4 Controllable Rakes, 3 Ft. 6 In. Cutting Bar; manufactured by the Exhibitors. Price £24.

3167—Patent 2-Horse "Albion" Self-Raking Reaping Machine, with Side Delivery and 4 Uncontrollable Rakes, 5 Ft. Cutting Bar; manufactured by the Exhibitors. Price £29.

3168—Patent 2-Horse "Albion" Self-Raking Reaping Machine, with Side Delivery and 4 Controllable Rakes, 5 Ft. Cutting Bar; manufactured by the Exhibitors. Price £30.

3169—Patent 2-Horse "Albion" Self-Raking Reaping Machine, with Side Delivery and 5 Controllable Rakes, 5 Ft. Cutting Bar; manufactured by the Exhibitors. Price £32.

3170—Patent 2-Horse "Albion" Self-Acting Back-Delivery Reaping Machine, with 4 Ft. 9 In. Cutting Bar; manufactured by the Exhibitors. Price £24.

3171—Patent 2-Horse "Albion" Self-Acting Back-Delivery Reaping Machine, with 5 Ft. Cutting Bar; manufactured by the Exhibitors. Price £24.

Stand No. 120.—*Robert Boby, of St. Andrew's Works, Bury St. Edmunds, Suffolk.*

Article 3172—Double-Action Haymaker, with Wood Travelling Wheels; manufactured by the Exhibitor. Price £16.

3173—Haymaker, No. 7, made entirely of Iron; manufactured by the Exhibitor. Price £16.

3174—Haymaker, No. 3, with Wood Travelling Wheels; manufactured by the Exhibitor. Price £14.

3175—Double-Action Haymaker, entirely of Iron, No. 8; manufactured by the Exhibitor. Price £14.

3176—Horse Rake, with 28 Steel Teeth and 48-In. Wood Wheels, and Driver's Seat; manufactured by the Exhibitor. Price £11 10s.

3177—Horse Rake, with 24 Teeth and 42-In. Travelling Wheels, and Seat for Driver; manufactured by the Exhibitor. Price £10.

3178—(*New Implement.*)—Cultivator, with Four Shares, Drawn by Three Horses; manufactured by the Exhibitor. Price £10.

3179—Single-Action Chaff Sifter; manufactured by the Exhibitor. Price £7.

3180—Double Malt Screen, with Stone Separator, to Screen 10 Qrs. per Hour; manufactured by the Exhibitor. Price £27 5s.

3181—Combined Dressing and Screening Machine, No. 1; manufactured by the Exhibitor. Price £15.

3182—Small Corn-Dressing and Screening Machine, No. 2; manufactured by the Exhibitor. Price £12.

3183—Corn Screen No. 1, and Stone Separator; manufactured by the Exhibitor. Price £10 19s.

3184—Barley Screen, No. 2; manufactured by the Exhibitor. Price £7 7s.

3185—General Purpose Screen, with Stone Separator and Blower, No. 6; manufactured by the Exhibitor. Price £14 2s.

3186—Corn Screen, with Stone Separator and Blower, No. 7; manufactured by the Exhibitor. Price £23 5s.

3187—Large Barley Screen for Power, with Stone Separator, No. 4; manufactured by the Exhibitor. Price £14 12s.

3188—Self-Acting Screen, to Stand and Hang for Malting Purposes, Size I; manufactured by the Exhibitor. Price £9.

3189—Linseed Screen, with Blower; manufactured by the Exhibitor. Price £18 10s.

3190—Seed Sorting Machine, for Clover, &c., with Blower; manufactured by the Exhibitor. Price £10 10s.

3191—Boby's Screen, Fitted with Grelton and Abbott's Separator, for Broken Barley, &c.; manufactured by the Exhibitor. Price £18 10s.

3192—(*New Implement.*)—Improved Malt Screen for Separating the Chive, with Adjustable Bed, &c.; manufactured by the Exhibitor. Price £5.

3193—Builder's Screen, for Lime, Gravel, &c., &c.; manufactured by the Exhibitor. Price £2 10s.

3194—Barley or Malt Haver, for taking the Beard off Barley or Malt; manufactured by the Exhibitor. Price £5.

3195—Maltster's Plough, for Turning Barley on the Piece; manufactured by the Exhibitor. Price £1.

3196—Double Barley Screen, with Stone Separators for Hand Power; manufactured by the Exhibitor. Price £18 6s.

3197—Hand Seed Drill; manufactured by the Exhibitor. Price 10s. 6d.

Stand No. 121.—*Maldon Iron Works Company (Limited), of Maldon, Essex.*

Article 3198—(*New Implement.*)—Horse Gear for One Horse, mark B D; manufactured by the Exhibitors. Price £9. The main wheel, 3 ft. in diam., is made without openings between the arms; gear fitted with registered wrought-iron draught poles and spring clutch; speed $7\frac{1}{2}$ to 1.

3199—(*New Implement.*)—Intermediate Motion, mark I L; manufactured by the Exhibitors. Price £2 10s. Fitted with spur gearing. Intended to be used with the 1-horse gear B D; speed 5 to 1.

3200—Horse Gear for One or Two Horses, mark B B; manufactured by the Exhibitors. Price, for one horse, £11; for two horses, £12 5s. Main wheel, 3 ft. 9 in. in diameter, without openings between the arms; gear fitted with registered wrought-iron poles and spring clutch; speed $8\frac{1}{2}$ to 1.

3201—Intermediate Motion, mark I M; manufactured by the Exhibitors. Price £3. Intended to be used with the gear B B; speed $5\frac{1}{2}$ to 1.

3202—Horse Gear, for One Horse, mark B B, with Second Motion in the same Frame; manufactured by the Exhibitors. Price £12 10s. Same gear as Article No. 3200, but fitted with second motion in the frame, so as to dispense with a separate intermediate motion; speed 43 to 1.

3203—Pony Gear, mark B C; manufactured by the Exhibitors. Price £7 10s. Fitted with slow and fast speeds; the slow speed, 64 to 1, is suitable for driving an elevator or pump, and the fast speed, 12, 16, 20, 24, or 28 to 1, for driving a churn, small chaff cutter, or other light machine.

3204—Intermediate Motion, mark I R; manufactured by the Exhibitors. Price £3 10s. An iron frame fitted with 30-in. pulley; larger or smaller pulleys can be had in this frame if required.

3205—Intermediate Motion, mark I P; manufactured by the Exhibitors. Price £3. Fitted with bevel gearing; speed 2 to 1.

3206—Intermediate Motion, mark I S; manufactured by the Exhibitors. Price £4 10s. Fitted with spur and bevel gearing for driving a small thrashing machine; speed 11 to 1.

3207—Thrashing Machine for Two Horses; manufactured by the Exhibitors. Price, fitted with pulley, £15 10s.; fitted with spur gearing, £16 10s.

3208—Hay, Corn, or Straw Elevator; manufactured by the Exhibitors. Price, £34; pony gear for ditto, fitted with travelling wheels, £7 10s. Will carry to a clear height of 28 ft. from the ground. Folds up into very small compass, the extreme height being only 7 ft.

3209—Chaff Cutter, mark C C M; manufactured by the Exhibitors. Price £2 5s. Mouth, $8\frac{1}{2}$ in. wide; cuts two lengths, $\frac{1}{6}$ in. and $\frac{1}{8}$ in.

3210—Chaff Cutter, mark S S M; manufactured by the Exhibitors. Price £2 10s. Rising mouth, $8\frac{1}{2}$ in. wide; cuts two lengths, $\frac{1}{6}$ in. and $\frac{1}{8}$ in.

3211—Chaff Cutter, mark A A; manufactured by the Exhibitors. Price £3 10s.; if with extra large fly-wheel, £3 15s. Rising mouth, 8½ in. wide; cuts two lengths, $\frac{3}{4}$ in. and $\frac{5}{8}$ in.

3212—Chaff Cutter, mark A 2; manufactured by the Exhibitors. Price £4 2s. 6d.; if fitted with extra large fly-wheel, £4 7s. 6d. Rising mouth, 8½ in. wide; cuts three lengths, $\frac{1}{2}$ in., $\frac{3}{4}$ in., and $\frac{5}{8}$ in.

3213—Chaff Cutter, mark A 3; manufactured by the Exhibitors. Price £4 15s. Fitted with large fly-wheel. Rising mouth, 9½ in. wide; cuts three lengths, $\frac{1}{2}$ in., $\frac{3}{4}$ in., and $\frac{5}{8}$ in.

3214—Chaff Cutter, mark A 4; manufactured by the Exhibitors. Price £5 5s.; fitted with treadle apparatus, 5s. extra. Fitted with large fly-wheel. Rising mouth, 10½ in. wide; cuts three lengths, $\frac{1}{2}$ in., $\frac{3}{4}$ in., and $\frac{5}{8}$ in.

3215—Chaff Cutter, mark A 10, for Hand or Horse Power; manufactured by the Exhibitors. Price £7. Rising mouth, 10½ in. wide; cuts three lengths, $\frac{1}{2}$ in., $\frac{3}{4}$ in., and $\frac{5}{8}$ in. Fitted with stop motion.

3216—Chaff Cutter, mark A 7, for Hand, Horse, or Steam Power; manufactured by the Exhibitors. Price £8 5s. Rising mouth, 11½ in. wide; cuts three lengths, $\frac{1}{2}$ in., $\frac{3}{4}$ in., and $\frac{5}{8}$ in. Fitted with stop motion.

3217—Chaff Cutter, mark A 8, for Horse or Steam Power; manufactured by the Exhibitors. Price £11 10s. Rising mouth, 13 in. wide; cuts three lengths, $\frac{1}{2}$ in., $\frac{3}{4}$ in., and $\frac{5}{8}$ in. Fitted with stop motion.

3218—Oilcake Mill, mark O S; manufactured by the Exhibitors. Price £2 17s. 6d. A very useful machine; will break any ordinary cake to seven different sizes, and is fitted with screen; two boxes are included.

3219—Oilcake Mill, mark O M; manufactured by the Exhibitors. Price £3 3s. A similar machine to the above, but larger and stronger; may be driven by horse or steam power.

3220—Oilcake Mill, mark O L; manufactured by the Exhibitors. Price £3 5s. This machine is similar to the last described, but made wide enough to take in American cake. Mouth 14 inches wide.

3221—Biddell's Patent Oat Kibbler, mark K K; manufactured by the Exhibitors. Price £3 3s. For kibbling oats, barley, maize, &c., by hand power.

3222—Biddell's Patent Bean Kibbler, mark K L; manufactured by the Exhibitors. Price £3 3s. For kibbling beans, peas, or maize by hand power. The cutting barrel is composed of triangular steel cutters, which can be reversed in position when the cutting edges are worn.

3223—Biddell's Patent Combined Mill, mark K M; manufactured by the Exhibitors. Price £5 5s. Will kibble oats, barley, wheat, beans, peas, maize, or other corn by hand power. This is a combination of the mills K K and K L.

3224—Corn and Seed Crusher, mark M M; manufactured by the Exhibitors. Price £5. Will crush oats, barley, linseed, &c., to any required fineness by hand power. The crushing rollers are 18 in. and 11 in. diam., and 3 in. wide.

3225—Universal Mill, mark M P; manufactured by the Exhibitors. Price £6 10s. The same mill as the last described, but is fitted with a Biddell's bean and maize kibbler.

3226—Corn and Seed Crusher, mark M J; manufactured by the Exhibitors. Price £8. A larger and stronger mill than the last, intended for horse or steam power. Will crush oats, barley, or linseed. The crushing rollers are 21 in. and 12 in. diam., by 4 in. wide.

3227—Universal Mill, mark *M K*; manufactured by the Exhibitors. Price £10. The same mill as the last described, but is fitted with a Biddell's bean and maize kibbler.

3228—Corn and Seed Crusher, mark *M R*; manufactured by the Exhibitors. Price £10. A larger and more powerful mill than the last, intended for steam power, and strongly recommended to livery stable-keepers, omnibus and cab proprietors, contractors, and others. Will crush oats, barley, or linseed. The crushing rollers are 24 in. and 12 in. diam., by 5 in. wide.

3229—Universal Mill, mark *M S*; manufactured by the Exhibitors. Price £12. The same mill as the last described, but is fitted with a Biddell's bean and maize kibbler.

3230—Gardner's Single-Action Turnip Cutter, mark *T V*; manufactured by the Exhibitors. Price £4 10s. Fitted with iron frame, wrought-iron legs and grate; cuts the last piece.

3231—Gardner's Double-Action Turnip Cutter, mark *T X*; manufactured by the Exhibitors. Price £5 10s. Fitted with iron frame, wrought-iron legs and grate; cuts the last piece.

3232—Disc Root Pulper, mark *D C*; manufactured by the Exhibitors. Price £2 10s. This machine has four knives, a large hopper, and is fitted on a wood frame.

3233—Disc Root Pulper, mark *D D*, on Iron Frame, with Iron Guard; manufactured by the Exhibitors. Price £3. Fitted with four knives.

3234—Disc Root Pulper, mark *D F*, on Iron Frame, with Ornamental Cover; manufactured by the Exhibitors. Price £3 10s. Fitted with six knives.

3235—Disc Root Pulper, mark *D H*, on Iron Frame, with Ornamental Cover; manufactured by the Exhibitors. Price £4 10s. Fitted with six knives.

3236—Root Shredder, mark *S S*, Fine Cut; manufactured by the Exhibitors. Price £3 5s.

3237—Root Shredder, mark *S T*, Coarse Cut; manufactured by the Exhibitors. Price £4 5s.

3238—Combined Turnip Cutter and Slicer, mark *D K*; manufactured by the Exhibitors. Price £4. This machine has three slicing knives on a 30-in. disc, and when required to cut finger pieces the knives for that purpose are easily attached.

3239—Round Trough for Pigs; manufactured by the Exhibitors. Price 8s. 6d. 22 in. diam., with 4, 5, 6, 8, or 10 partitions.

3240—Round Trough for Pigs; manufactured by the Exhibitors. Price 13s. 25 in. diam., with 4, 5, 6, 8, or 10 partitions.

3241—4-Foot Hog Trough; manufactured by the Exhibitors. Price 9s.

3242—5-Foot Hog Trough; manufactured by the Exhibitors. Price 11s. 3d.

3243—3-Foot Pig Trough; manufactured by the Exhibitors. Price 5s. 3d.

3244—4-Foot Pig Trough; manufactured by the Exhibitors. Price 7s.

3245—Round Feeding or Drinking Tank, 8 Gallons; manufactured by the Exhibitors. Price 7s. 6d.

3246—Oblong Feeding or Drinking Tank, 10 Gallons; manufactured by the Exhibitors. Price 10s. 6d.

3247—Goldhanger Plough; manufactured by the Exhibitors. Price, fitted with staff, hammer, and coulter, £2 16s.

3248—Royal Plough; manufactured by the Exhibitors. Price, fitted with staff, hammer, and coulter, £2 16s.

3249—North Essex Plough; manufactured by the Exhibitors. Price, fitted with staff, hammer, and coulter, £2 16s.

3250—Iron-Beam Furrow Hoe; manufactured by the Exhibitors. Price £2 2s.; extra parts, to convert into a ridging plough, 12s. 6d.; extra parts, to convert into a potato raiser, 7s. 6d.

3251—Improved Horse Rake, fitted with 26 Steel Teeth; manufactured by the Exhibitors. Price £9 5s.; seat for driver, 10s. extra. Fitted with wrought-iron wheels, 3 ft. 6 in. high.

3252—Improved Lamb Hurdle, 14 Ft. Long; manufactured by the Exhibitors. Price £1 15s.

3253—Set of Improved Light Seed Harrows; manufactured by the Exhibitors. Price £3 3s.

3254—Set of Improved Light Harrows; manufactured by the Exhibitors. Price £3 12s.

3255—Set of Improved Medium Harrows; manufactured by the Exhibitors. Price £4 1s.

3256—Set of Improved Heavy Harrows; manufactured by the Exhibitors. Price £4 10s.

3257—Pair of Drag Harrows, with Handles; manufactured by the Exhibitors. Price £4 12s. 6d.

Stand No. 122.—*Edward Hammond Bentall and Co., of Heybridge Works, near Maldon, Essex.*

Article **3258**—Chaff-Cutter, Marked *C P A*; manufactured by the Exhibitors. Price £2 2s.

3259—Chaff-Cutter, Marked *C C X*; manufactured by the Exhibitors. Price £2 5s.

3260—Chaff-Cutter, Marked *C S A*; manufactured by the Exhibitors. Price £2 10s.

3261—Chaff-Cutter, Marked *C S B*, with Large Fly-Wheel; manufactured by the Exhibitors. Price £3.

3262—(*New Implement.*)—Chaff-Cutter, Marked *C S C*; manufactured by the Exhibitors. Price £3 10s.

3263—(*New Implement.*)—Chaff-Cutter, Marked *C S F*; manufactured by the Exhibitors. Price £3 15s.

3264—(*New Implement.*)—Chaff-Cutter, Marked *C S L*; manufactured by the Exhibitors. Price £3 15s.

3265—Chaff-Cutter, Marked *C D C*; manufactured by the Exhibitors. Price £3 15s.

3266—Chaff-Cutter, Marked *C D C*, with Large Fly-Wheel and Concave Knives; manufactured by the Exhibitors. Price £4 2s. 6d.

3267—Chaff-Cutter, Marked *C M C*, with Large Fly-Wheel; manufactured by the Exhibitors. Price £4 3s.

3268—Chaff-Cutter, Marked *C D V*; manufactured by the Exhibitors. Price £3 15s.

3269—Chaff-Cutter, Marked *C D T*; manufactured by the Exhibitors. Price £4 5s.

3270—Chaff-Cutter, Marked *C E B*, Fitted with Improved Clutch Gear; manufactured by the Exhibitors. Price £4 18s.

3271—Chaff-Cutter, Marked *C E D*; manufactured by the Exhibitors. Price £5 15s.

3272—Chaff-Cutter, Marked *C E E*; manufactured by the Exhibitors. Price £6 16s. 6d.

3273—Chaff-Cutter, Marked *C S E*; manufactured by the Exhibitors. Price £7 7s.

3274—Chaff-Cutter, Marked *C E I*; manufactured by the Exhibitors. Price £9.

3275—Chaff-Cutter, Marked *C S I*; manufactured by the Exhibitors. Price £9 15s.

3276—Chaff-Cutter, Marked *C E R*; manufactured by the Exhibitors. Price £14 14s.

3277—Corn-Crusher, Marked *R S E*; manufactured by the Exhibitors. Price £5.

3278—Corn-Crusher, Marked *R S A*, with Kibbler attached; manufactured by the Exhibitors. Price £8.

3279—Corn-Crusher, Marked *R S B*, with Kibbler attached; manufactured by the Exhibitors. Price £12

3280—Oat-Kibbler, Marked *O K A*; manufactured by the Exhibitors. Price £3 5s.

3281—Maize-Kibbler, Marked *M K A*; manufactured by the Exhibitors. Price £3 3s.

3282—(New Implement.)—Double-Action Kibbler, Marked *G M A*; manufactured by the Exhibitors. Price £2 12s. 6d.

3283—(New Implement.)—Oat and Bean-Kibbler, Marked *G M B*; manufactured by the Exhibitors. Price £3 5s.

3284—Oil-Cake Mill, Marked *O C I*; manufactured by the Exhibitors. Price £2 17s. 6d.

3285—Oil-Cake Mill, Marked *O C M*; manufactured by the Exhibitors. Price £3 3s.

3286—Oil-Cake Mill, Marked *O C O*; manufactured by the Exhibitors. Price £3 10s.

3287—Gardner's Single-Action Turnip-Cutter, Marked *T C E*; manufactured by the Exhibitors. Price £4 10s.

3288—Gardner's Double-Action Turnip-Cutter, Marked *T C H*; manufactured by the Exhibitors. Price £5 10s.

3289—(New Implement.)—Disc Turnip-Cutter, Marked *T C X*; manufactured by the Exhibitors. Price £3 5s.

3290—(New Implement.)—Disc Turnip-Cutter, Marked *T C Y*; manufactured by the Exhibitors. Price £3 15s.

3291—(New Implement.)—Disc Turnip-Cutter, Marked *T K A*; manufactured by the Exhibitors. Price £2.

3292—(New Implement.)—Disc Turnip-Cutter, Marked *T K B*; manufactured by the Exhibitors. Price £2 5s.

3293—(New Implement.)—Turnip-Cutter, Marked *T K C*; manufactured by the Exhibitors. Price £2 10s. Discs for the above machine, for pulping, slicing, stripping, or finger-piece cutting, 15s. each, fitted with knives.

3294—(*New Implement.*)—Turnip-Cutter, Marked T K D; manufactured by the Exhibitors. Price £3.

3295—(*New Implement.*)—Disc Pulper, Marked T P N, Fitted with Cover; manufactured by the Exhibitors. Price £3 5s.

3296—Barrel Pulper, Marked R P A; manufactured by the Exhibitors. Price £7.

3297—(*New Implement.*)—Combined Disc Pulper and Turnip-Cutter, Marked M P A; manufactured by the Exhibitors. Price £5 10s.

3298—Plough, Marked E H B, with Staff, Coulter, and Gallas; manufactured by the Exhibitors. Price £3 0s. 6d.

3299—Plough, Marked E H A, with Staff, Coulter, and Gallas; manufactured by the Exhibitors. Price £2 16s. 6d.

3300—Plough, Marked I P W, with Staff, Coulter, and Gallas; manufactured by the Exhibitors. Price £2 16s. 6d.

3301—Plough, Marked N G H, Fitted with Staff, Coulter, and Gallas; manufactured by the Exhibitors. Price £2 16s. 6d.

3302—Goldhanger Plough, Fitted with Staff, Coulter, and Gallas; manufactured by the Exhibitors. Price £2 16s. 6d.

3303—Combined Double Corn and Mangold-Plough; manufactured by the Exhibitors. Price £3 15s.

3304—Set Harrows, 325, Light; manufactured by the Exhibitors. Price £3 15s.

Stand No. 123.—*R. A. Lister and Co., of Victoria Iron Works, Dursley, Gloucestershire.*

Article 3305—Chaff-Cutting Machine, marked "o;" manufactured by the Exhibitors. Price £2 2s. With rising mouth, 8½ in. wide, with heavy fly-wheel, 3 ft. diam., and concave knives.

3306—Chaff-Cutting Machine, marked "A 1;" manufactured by the Exhibitors. Price £3 17s. 6d. Has rising mouth, cuts two or more lengths of chaff without extra change wheels, has heavy fly-wheel, and is fitted with concave knives.

3307—Chaff-Cutting Machine, marked "B;" manufactured by the Exhibitors. Price £6. This machine is similar in principle and construction to the preceding one, but much larger and stronger; it has an improved safety lever, and the mouth is 10 in. wide.

3308—Chaff-Cutting Machine, marked "c;" manufactured by the Exhibitors. Price £8 10s. This machine is similar in principle and construction to the preceding machine, marked "B," but much larger and stronger, the mouth being 11 in. wide.

3309—Chaff-Cutting Machine, marked "D;" manufactured by the Exhibitors. Price £12 10s. This is a very strong machine, has three knives, and mouth 14 in. wide; it is fitted with a very efficient stop, forward, and reverse motion.

3310—Single Cheese Press; manufactured by the Exhibitors. Price £3. On iron stand, requiring no leads.

3311—Double Cheese Press; manufactured by the Exhibitors. Price £6. On iron stand, requiring no leads.

3312—Plain Segment Pattern Land Roller; manufactured by the Exhibitors. Price £9 10s. This roller is constructed so as to take the whole of the weight off the horse's back, has movable bearings, and is con-

structed wholly of iron; the rings are 18 in. diam. and 6 in. wide, the total rolling surface 7 ft. wide, extreme width, 8 ft. 6 in.

3313—Cambridge Pattern Roller or Clod Crusher; manufactured by the Exhibitors. Price £9 10. This roller is exactly like the preceding one, except that it is fitted with fluted rings 3 in. wide.

3314—1 or 2-Horse Gear, marked "B;" manufactured by the Exhibitors. Price £10.

3315—2-Horse Gear, marked "C;" manufactured by the Exhibitors. Price £13 10s.

3316—Curd Grinder, made of Wrought-Iron, and Galvanized; manufactured by the Exhibitors. Price £1 15s.

3317—Improved Lifting Jack and Spanner; manufactured by the Exhibitors. Price 15s. Has a gun-metal nut, and will lift 4 tons.

3318—Improved Lifting Jack and Spanner; manufactured by the Exhibitors. Price £1 15s. Has a gun-metal nut, and will lift 8 tons.

Stand No. 124.—*Gilbert Sinkwell, of Winfield Iron Works, Dunstable, Bedfordshire.*

Article **3319**—Patent "Eclipse" Prize Medal Combined Sack Elevator, Shooter, and Loader; manufactured by the Exhibitor. Price £4 5s.

3320—Patent "Eclipse" Prize Medal Combined Sack Elevator, Shooter and Loader, with Polished Frame; manufactured by the Exhibitor. Price £4 7s. 6d.

3321—Patent "Eclipse" Prize Medal Combined Sack Elevator, Shooter, and Loader; manufactured by the Exhibitor. Price £5 15s. This machine is made sufficiently high to load into traction waggons.

3322—Patent "Climax" Platform Weighing Machine, fitted with Sack Lifter and Swing Loader; manufactured by the Exhibitor. Price £6 17s. 6d. Requires no weights.

3323—Patent Sack-Lifting Barrow, all Iron; manufactured by the Exhibitor. Price £2 12s. 6d.

3324—Patent Sack-Lifting Barrow, fitted with Sack Holder; manufactured by the Exhibitor. Price £3.

3325—Patent Sack-Lifter and Swing Loader Combined; manufactured by the Exhibitor. Price £3 10s.

3326—Improved Sack-Filling Apparatus, on Wheels; manufactured by the Exhibitor. Price £2 7s. 6d.

3327—Improved Rickyard Sack Truck, on High Wrought-Iron Wheels; manufactured by the Exhibitor. Price £1 10s.

3328—Collection of Improved Iron Sack Trucks; manufactured by the Exhibitor.. Price from 10s. upwards.

3329—Circular Iron Cage for Sheep and Lambs, with Galvanized-Iron Pan and Cover; manufactured by the Exhibitor. Price £2 5s.

3330—Circular Iron Crib for Calves, Sheep, and Lambs, with Drinking Pan; manufactured by the Exhibitor. Price £1 10s.

3331—Improved "Bedford" Sheep Rack, on Wheels; manufactured by the Exhibitor. Price £1 10s.

3332—Improved Galvanized-Iron Sheep Trough, on Wheels, 8 ft. long; manufactured by the Exhibitor. Price £1 8s.

3333—Improved Galvanized-Iron Sheep Trough, on Wheels, 9 ft. long; manufactured by the Exhibitor. Price £1 10s.

3334—(*New Implement*)—No. 1 Tire and Hoop Bending Machine, to Bend Cold Iron; manufactured by the Exhibitor. Price £3 Suitable for carriage builders, blacksmiths, or wheelwrights; to fix on bench or post.

3335—Pair 2½ In. Iron Stocks, Fitted with Turned Arms for Cart-Wheels; manufactured by the Exhibitor. Price £2 2s.

3336—Pair 2½ In. Iron Stocks, Fitted with Turned Arms for Cart or Waggon-Wheels; manufactured by the Exhibitor. Price £2 3s.

3337—Improved Manual and Foot Delivery Horse Rake; manufactured by the Exhibitors. Price £10. Fitted with wrought-iron tubular shafts, 28 patent section steel teeth, 4 ft. wrought-iron wheels, and driver's seat. Strongly recommended as a capacious, strong, and efficient rake.

3338—Improved Expanding Lever Horse Hoe; manufactured by the Exhibitor. Price £3 10s.

Stand No. 125.—*Robert Wallacy, of Penwortham Priory, Preston, Lancashire.*

Article 3339—Double-Action Turnip Cutter and Root Slicer, as adapted to Patent Cattle Feeder; invented and manufactured by the Exhibitor. Price £25.

3340—Oil-Cake Mill as Attached to Cattle Feeder; invented and manufactured by the Exhibitor. Price £25. Crushes the cake and at the same time gives it to the cattle.

3341—Chaff and Pulp Distributor with Two Cake Mills Attached; invented and manufactured by the Exhibitor. Price £22. Delivers to the cattle any kind of chaff or pulped food, and when required cake can be crushed and given at the same time.

3342—Patent Cattle Feeder, or Apparatus for Preparing and Supplying Food to Cattle; invented and manufactured by the Exhibitor. Price £25. This machine has attached to it turnip cutter and cake mill. It cuts roots or crushes cake, and at the same time gives them to the cattle. By this machine labour is greatly economised.

3343—Patent Feeding-Trough in Stone, Wood or Iron; invented and manufactured by the Exhibitor. Price, per lineal yard, including fore-rail and tramway fitted in stone or wood and adapted for the cattle feeder for single cow-houses, £1 10s., and for double cow-houses, £2 10s.; but if in iron 10s. per yard more. By introducing this trough, and by using the cattle feeder worked by one man, 100 cattle can be feeding in ten minutes.

3344—Tramway with Turntable as adapted for the Cattle Feeder; invented and manufactured by the Exhibitor. Price, turntable, £3; tramway, 10s. per lineal yard.

3345—Specimen of Fittings for a Cowhouse in Stalls as Fitted and as Adapted for the Cattle Feeder; manufactured by the Exhibitor. Price £2 10s. per lineal yard, with wood or stone division between every two cows, fore rail, tramway, patent feeding-trough, paving, and all complete.

3346—Specimen for Single Shedding for Cattle; fitted and manufactured by the Exhibitor. Price £1 10s. per lineal yard, with feeding-trough and all complete for the cattle feeder.

3347—Specimen of Double Shedding for Cattle; fitted and manufactured by the Exhibitor. Price £2 10s. per lineal yard, with range up centre of building fitted up with feeding-trough and fore-rail on each side, with tramway and all complete for cattle feeder. Nothing can exceed the plan of double shedding for cattle as adapted for the cattle feeder. In the above prices no carriage or drainage is taken into account.

3348—(New Implement.)—Patent Farm-Yard Manure Spreader; invented and manufactured by the Exhibitor. Price £28. This is a great labour-saving machine, by which a load of any kind of farm-yard manure can be spread in less than five minutes without any manual labour at all.

3349—Patent Broadcast Manure Distributor or Sower (Improved); invented and manufactured by the Exhibitor. Price £18. Fitted into an ordinary cart. The sower can be worked with light draught and by a horse travelling at the rate of two miles an hour. 8 to 10 acres of land can be most regularly covered with manure within the hour. Quantity of manure to be sown can be varied from 1 to 20 cwt. per acre.

3350—Patent Broadcast Manure Distributor or Sower for hand or other power; invented and manufactured by the Exhibitor. Price £10. This machine when wheeled or drawn along, will sow manures or seeds from 5 to 6 yards wide most regularly over the ground at a rate varying from 1 to 10 cwt. per acre.

3351—Patent Farm-Yard Manure Spreader and Sower (Combined); invented and manufactured by the Exhibitor. Price £26. Ready for fitting into an ordinary cart. Both the spreaders and sowers are great economisers of labour, and they do their work so very much better than it can be done by any other machine out.

Stand No. 126.—*Thomas Baker, of Compton, Newbury, Berkshire.*

Article 3352—Corn-Dressing Machine, Fitted with Oscillating Screen; manufactured by the Exhibitor. Price £10 10s.

3353—Corn-Dressing Machine, Fitted with Shifting Screen and Extra Frame; manufactured by the Exhibitor. Price £10 16s.

3354—Corn Elevator to Attach to Corn-Dressing Machine; manufactured by the Exhibitor. Price £4 10s.

3355—Corn-Dressing Machine; manufactured by the Exhibitor. Price £8 10s.

3356—9-Tined Cultivator; manufactured by the Exhibitor. Price £6.

3357—11-Tined Cultivator; manufactured by the Exhibitor. Price £7.

3358—1-Row Horse Hoe with Small Harrow Attached; manufactured by the Exhibitor. Price £2 16s. 6d.

3359—A-1 Plough, Fitted with Skim; manufactured by the Exhibitor. Price £4 7s. 6d.

3360—A-2 Plough, Fitted with Skim; manufactured by the Exhibitor. Price £5 5s.

3361—95-Gallon Water Cart on Cast-Iron Wheels; manufactured by the Exhibitor. Price £10 10s.

3362—130-Gallon Water Cart on 3½ In. Wood Wheels; manufactured by the Exhibitor. Price £14.

3363—130-Gallon Water Cart on Wrought-Iron Wheels; manufactured by the Exhibitor. Price £14 10s.

3364—Liquid-Manure Distributor; manufactured by the Exhibitor. Price £1 17s. 6d.

3365—Liquid-Manure Pump and 12-Ft. India-Rubber Suction Hose; manufactured by the Exhibitor. Price £4 5s.

3366—180-Gallon Liquid-Manure Cart on 5-In. Wood Wheels, Pump and Distributor; manufactured by the Exhibitor. Price £24 5s.

3367—180-Gallon Cart on Wrought-Iron Wheels and Pump; manufactured by the Exhibitor. Price £21 15s.

3368—225-Gallon Water Cart on Extra Strong 4-In. Wood Wheels; manufactured by the Exhibitor. Price £20.

3369—300-Gallon Street Watering Cart; manufactured by the Exhibitor. Price £30.

3370—250-Gallon Tip Cart; manufactured by the Exhibitor. Price £32 10s.

3371—180-Gallon High Cart and Pump; manufactured by the Exhibitor. Price £24 6s. 6d.

3372—3-Wheel Cattle Trough; manufactured by the Exhibitor. Price £4 10s.

3373—12-Ft. Sheep Trough; manufactured by the Exhibitor. Price £3 10s.

3374—12-Ft. Sheep Trough; manufactured by the Exhibitor. Price £2 10s.

3375—Set of Well Machinery; manufactured by the Exhibitor; Price £28 15s.

3376—Traction Engine Waggon; manufactured by the Exhibitor. Price £68.

3377—Pump on Tripod Stand and 14-Ft. Suction Hose; manufactured by the Exhibitor. Price £6 12s.

Stand No. 127.—*Kell, Meats, and Co., of Gloucester; and Ross, Herefordshire.*

Article 3378—7-Steel Lever Patent British Economical 1-Horse Corn and Seed Drill; manufactured by the Exhibitors. Price £21. Fitted with patent steel levers, and reversible steel shoes. These levers are confidently recommended as superior to those of either iron or wood, combining greater strength with much less weight; and being more elastic they are less liable to "set," should they meet with any obstruction.

3379—11-Steel Lever Patent British Economical 2-Horse Drill; manufactured by the Exhibitors. Price £26. Fitted with clover seed box, £2 15s. extra. The coulters are so made as to cut into the ground without pressure, hence the draught is materially reduced, 1 or 2-horse power being saved in each drill.

3380—11-Lever Patent British Economical 2-Horse Drill; manufactured by the Exhibitors. Price £26. This drill is different to the preceding, inasmuch as it is fitted with new pattern sharp cutting-coulters, specially suited for hard and stiff land, and for horse hoeing.

3381—13-Steel Lever Patent British Economical 2-Horse Drill; manufactured by the Exhibitors. Price £28; fitted with improved fore steerage, £5 extra. This, and the three preceding drills, are made on precisely the same principle, this and the two former being worked easily by two horses and one man. See Testimonials and Price Lists.

3382—11-Lever Suffolk Corn and Seed Drill; manufactured by the Exhibitors. Price £27 10s. With all modern improvements.

3383—13-Lever Suffolk Drill; manufactured by the Exhibitors. Price £30 5s.; with improved fore steerage, £5 extra.

3384—3-Row Drill; manufactured by the Exhibitors. Price £6. Adapted for all kinds of corn and seeds.

3385—4-Row Drill; manufactured by the Exhibitors. Price £6 15s. Adapted for all kinds of corn and seeds.

3386—5-Row Drill; manufactured by the Exhibitors. Price £7 10s.; with wheels behind, 10s. 6d. extra. Adapted for all kinds of corn and seeds.

3387—6-Row Drill; manufactured by the Exhibitors. Price £8 3s.; with wheels behind, 10s. 6d. extra. This, and three preceding drills, are made on the same principle; they are fitted with cast-pointed coulters, which can be very quickly and easily fixed in case of renewal. The two larger sizes have wheels fixed to the sills at the back of box, which prevent the weight of the drill coming upon the coulters, and so lessens the friction.

3388—Double Ridge Turnip and Mangold Drill; manufactured by the Exhibitors. Price £6. Fitted with two concave rollers, which adjust themselves to the width of the ridges; these drills may be had with handles behind, which are useful on sideland ground.

3389—4-Row Seed and Manure Drill; manufactured by the Exhibitors. Price £25 16s. This drill is made with a smooth barrel for delivering all kinds of manure, coarse or fine (same as distributor, see No. 2391); this drill is adapted for planting turnips, mangolds, and other seeds, with or without manure.

3390—4-Row Turnip and Manure Drill; manufactured by the Exhibitors. Price £25 16s. This drill is suited for turnip, mangold, and other seeds, with or without manure.

3391—Broadcast, Manure Distributor; manufactured by the Exhibitors. Price £13 13s. Will distribute from 1½ cwt. to any required quantity per acre. Can be made to sow in any number of rows when desired.

3392—Winowing or Corn-Dressing Machine, A G 2; manufactured by the Exhibitors. Price £6 12s.

3393—1-Row Hand (Turnip, Mustard, and other Seed) Drill; manufactured by the Exhibitors. Price £2 5s.

3394—New Pattern Light 2-Horse Wheel Plough, B 3; manufactured by the Exhibitors. Price £4 17s. 6d.; skim coulter, 5s.; steel breast, 6s. extra.

3395—New Pattern General Purpose Wheel Plough, B 2; manufactured by the Exhibitors. Price £5 2s. 6d.; skim coulter, 5s.; steel breast, 6s. extra. This plough is fitted with extra long breast (for match work) and disc coulter, 9s. extra, for 2 to 4 horses.

3396—New Pattern Extra Strong Wheel Plough, B 1; manufactured by the Exhibitors. Price £5 7s. 6d.; skim coulter, 5s. extra. For 3 to 6 horses.

3397—New Pattern Swing Plough, B 2; manufactured by the Exhibitors. Price £4 7s. 6d.; skim coulter, 5s.; steel breast, 6s. extra.

3398—Light 2-Horse Wheel Plough, x y L 3; manufactured by the Exhibitors. Price £4 11s.; skim coulter, 5s.; steel breast, 6s. extra.

3399—General-Purpose Wheel Plough, x y 23; manufactured by the Exhibitors. Price £5 2s. 6d.; skim coulter, 5s.; steel breast, 6s. extra. For 2 to 4 horses.

3400—Light Combined 5-Tine Scuffle for 1 Horse or Hoe, with 3 Tines for Ridge or Flat; manufactured by the Exhibitors. Price £3 0s. 6d.

3401—(*New Implement.*)—Light Combined Scuffler Cultivator or Parer, No. 0; manufactured by the Exhibitors. Price £6. Fitted with 5 tines, and is adapted for 2 light horses; especially suitable for small occupations.

3402—Light Combined Cultivator and Broad Share-Parer, No. 1; manufactured by the Exhibitors. Price £8. For 2 or 3 horses; made with 7 tines or 5.

3403—Strong General-Purpose Combined Cultivator or Broad Share-Parer, No. 2; manufactured by the Exhibitors. Price £10. With 5 or 7 tines; adapted for 3 to 6 horses.

3404—Strong General-Purpose Combined Cultivator and Broad Share-Parer, No. 3; manufactured by the Exhibitors. Price £11. This cultivator is made with 9 tines, with a tine following each of the hinder wheels to take out wheel track, a very desirable acquisition; this, and the three preceding implements, are constructed on the same principle.

3405—3-Row Horse-Hoe for Roots, or 5-Tine Scuffler; manufactured by the Exhibitors. Price £2 3s. 6d. This hoe can be made as a 5 tine scuffler at an extra charge of 17s.

3406—(*New Implement.*)—Set of Harrows, No. 3 A; manufactured by the Exhibitors. Price £3 2s. 6d. To cover 8 ft. 9 in., for light land; made on a new principle.

3407—(*New Implement.*)—Pair of Harrows, No. 5 A; manufactured by the Exhibitors. Price £2 17s. 6d. To cover 6 ft. 8 in.; general purpose, for light land.

3408—(*New Implement.*)—Set of Harrows, No. 13 A; manufactured by the Exhibitors. Price £3 15s. To cover 7 ft. 6 in.; for general purposes on heavy land.

3409—(*New Implement.*)—Set of Harrows, No. 19 A; manufactured by the Exhibitors. Price £4 12s. 6d. To cover 9 ft.; extra strong harrows.

3410—(*New Implement.*)—Pair of Duck-footed Handle Drags, No. 24 A; manufactured by the Exhibitors. Price £4 2s. 6d. To cover 5 ft. 6 in.; a very good substitute for a scuffler.

3411—(*New Implement.*)—Pair of Drags with Handles and Chisel-Pointed Tines, No. 25 A; manufactured by the Exhibitors. Price £4 5s. To cover 6 ft. These, and the five preceding harrows, are made on the same principle, being very easy to take apart, and strong where strength is required.

3412—(*New Implement.*)—Patent Horse Rake, No. 3 D; manufactured by the Exhibitors. Price £9 10s.; seat for driver, 15s. extra. With 28 steel teeth 3 ft. 6 in.; wrought-iron wheels. This is an entirely new patent, with new lock arrangement, and new section steel teeth, and many important improvements; larger and smaller sizes can be had.

3413—Small Iron Sack Barrow; manufactured by the Exhibitors. Price 15s.

3414—Large Iron Sack Barrow; manufactured by the Exhibitors. Price 18s. Suitable for the barn, warehouse, rick yard, or field.

3415—Pair of Trussed, Tubular Iron-Balanced Whippetrees for 3 Horses abreast; manufactured by the Exhibitors. Price 17s.

3416—Set of Whippetrees for 3 Horses Abreast, made with Tubular Iron and Spring Steel; manufactured by the Exhibitors. Price £1 10s.

Stand No. 128.—*E. Headly and Son, of Cambridge.*

Article 3417—Improved Agricultural Cart; manufactured by the Exhibitors. Price £17 10s.

3418—General Purpose Cart; manufactured by the Exhibitors. Price £15 10s.

3419—Miller's Cart; manufactured by the Exhibitors. Price £24.

3420—150-Gallon Water Cart on Wood Wheels; manufactured by the Exhibitors. Price £17.

3421—150-Gallon Water Cart on Iron Wheels, with Pump and Pipe; manufactured by the Exhibitors. Price £19.

3422—20-In. Cambridge Roll; manufactured by the Exhibitors. Price £10 10s.

3423—Improved Wrought-Iron Land Roller; manufactured by the Exhibitors. Price £9.

3424—7-Tined Cultivator Complete; manufactured by the Exhibitors. Price £8 10s.

3425—Assortment of Cattle Troughs; manufactured by the Exhibitors. Price £1 10s. to £2 10s.

3426—Sheep Trough; manufactured by the Exhibitors. Price £1 8s.

3427—Wrought-Iron Portico; manufactured by the Exhibitors. Price £4.

3428—Archway; manufactured by the Exhibitors. Price 15s

3429—Assortment of Croquet Chairs; manufactured by the Exhibitors. Price 12s. 6d.

3430—Easy Chair without Awning; manufactured by the Exhibitors. Price £1.

3431—Easy Chair with Awning; manufactured by the Exhibitors. Price £1 10s.

3432—Single Comfortable Chair; manufactured by the Exhibitors. Price £1 5s.

3433—Smoking Lounge; manufactured by the Exhibitors. Price £1 10s.

3434—Comfortable Chair with Awning; manufactured by the Exhibitors. Price £4 10s.

3435—Comfortable Chair without Awning; manufactured by the Exhibitors. Price £2 2s.

3436—Invincible Seat; manufactured by the Exhibitors. Price £1 7s. 6d.

3437—Improved Seat 6 Ft. Long; manufactured by the Exhibitors. Price £1 0s. 6d.

3438—International Folding Seat; manufactured by the Exhibitors. Price £2 10s.

3439—Cambridge Garden Seat; manufactured by the Exhibitors. Price £1 10s.

3440—Iron Table; manufactured by the Exhibitors. Price 12s. 6d.

3441—Water Barrow; manufactured by the Exhibitors. Price £3.

3442—Garden Barrow; manufactured by the Exhibitors. Price £1 6s.

3443—Patent Hydraulic Apparatus, No. 2; manufactured by the Exhibitors. Price £4 4s.

3444—Patent Hydraulic Apparatus, No. 4; manufactured by the Exhibitors. Price £7 10s.

3445—Patent Hydraulic Apparatus for Watering Streets, No. 6; manufactured by the Exhibitors. Price £15 15s.

3446—18-In. Chatsworth Garden Vase; manufactured by the Exhibitors. Price 18s.

3447—24-In. Chatsworth Garden Vase; manufactured by the Exhibitors. Price £1 5s.

3448—30-In. Chatsworth Garden Vase; manufactured by the Exhibitors. Price £1 16s.

3449—Improved Cask Stand; manufactured by the Exhibitors. Price 12s. 6d.

3450—3-Dozen Wine Rack; manufactured by the Exhibitors. Price 7s. 6d.

3451—Assortment of Ornamental Weather Vanes; manufactured by the Exhibitors. Price £2 to £2 15s.

Stand No. 129.—*Alexanders and Loveridge, of the Lion Works, Leominster, Herefordshire.*

Article 3452—Circular Cattle Crib; manufactured by the Exhibitors. Price £3 12s. 6d. Registered design, 5 ft. diam. This crib has a strongly forged wrought-iron frame, and is lined with galvanized sheet-iron specially constructed for the roughest usage.

3453—Square Cattle Crib, $4\frac{1}{2}$ Ft. diameter; manufactured by the Exhibitors. Price £3 7s. 6d. Made of extra strong galvanized iron, and usable for large bullocks.

3454—Galvanized-Iron Roofed Sheep Rack; manufactured by the Exhibitors. Price £4 4s. Very durable, and fitted with angle-iron guttering, and lacing to save waste of hay, it also has circular ends to roof, so as to prevent accidents to stock.

3455—Galvanized Iron Sheep Troughs; manufactured by the Exhibitors. Prices: extra strong, 8 ft. long, fitted with 2 wheels £1 6s.; 9 ft. long, £1 8s.; if with 4 wheels, £1 10s.; 9 ft. long, with galvanized-iron roof, bound with angle iron, £2.

3456—Galvanized-Iron Circular Corn or Flour Bins; manufactured by the Exhibitors. Prices: 2-bushel size, £1 2s.; 4-bushel size, £1 5s.; 6-bushel size, £1 10s. Made of very strong galvanized-iron.

3457—Galvanized-Iron Square Corn Bins; manufactured by the Exhibitors. Prices: with 2 compartments, each holding 6 bushels, £3 3s.; with 3 compartments, each holding 6 bushels, £4 4s. These bins are very strongly built of angle-iron, firmly rivetted to galvanized-panels.

3458—Galvanised Wrought-Iron Cattle Trough; manufactured for the Exhibitors. Price £2 17s. 6d. This trough is made of strong galvanised-iron, 6 ft. long, 18 in. wide, and 15 in. deep, and travels on wheels.

3459—Strong Wrought-Iron Galvanized Water Tanks; manufactured for the Exhibitors. Prices: tank to hold 40 gallons, £1 3s. 4d.; 60 gallons, £1 10s.; 100 gallons, £2 1s. 8d.; 200 gallons, £3 10s. 10d.; 300 gallons, £6 17s. 6d., but made of $\frac{3}{8}$ inch plates.

Stand No. 130.—*Hopton and Co., of 149, Drummond Street, Euston Square, London.*

Article 3460—Patent Hand or Steam Power Band Sawing Machine; manufactured by the Exhibitors. Price £12.

3461—Patent Self-Centering Wheel Boxing Machine; manufactured by the Exhibitors. Price £5 10s.

3462—Patent Boring and Tanging Machine, for Wheel Making; manufactured by the Exhibitors. Price £12.

3463—Stock Morticing, Fellor, Boring, and Drilling Machine, for Wheel Work; manufactured by the Exhibitors. Prices from £12 10s. to £20.

3464—Series of 9 Drilling Machines for Hand and Steam Power; manufactured by the Exhibitors. Prices from £2 to £17 10s.

3465—Tyre Bending Machine, Bending Two Tyres at Once; manufactured by the Exhibitors. Price £5 12s.

3466—Series of Special Tools for Coachbuilders, Wheelwrights, &c; manufactured by the Exhibitors. Prices from 2s. to £1 16s. Patent braces, bits, wrenches, hollow augers, and other tools.

3467—Series of 3 Paint Grinding Mills; manufactured for the Exhibitors. Prices from £1 10s. to £2 10s.

3468—Series of 3 Bolt Clippers, for Cutting off the Ends of Rivets and Bolts; manufactured for the Exhibitors. Prices from £1 10s. to £2 2s.

3469—Improved Horse Clipper, for Working with One Hand; manufactured for the Exhibitors. Price £1 18s.

3470—Lathe and Sundry Tools and Fittings; manufactured for the Exhibitors. Price £12.

Stand No. 131.—*Moser and Sons, Southwark, Surrey.*

Article 3471—Punching and Shearing Machine; manufactured by the Exhibitors. Price £3 3s. to £12 12s.

3472—Drilling-Machine; manufactured by the Exhibitors. Price 12s. to £13.

3473—Morticing Machine; manufactured by the Exhibitors. Price £12.

3474—Tyre-Bending Machine; manufactured by the Exhibitors. Price £3 3s.

3475—Portable Forge, "Bowden's"; manufactured by the Exhibitors. Price £7.

3476—Smith's Bellows; manufactured by the Exhibitors. Price £4 4s. to £9 9s.

3477—Weighing-Machine; manufactured by the Exhibitors. Price £3 3s. to £4 15s.

3478—Grindstone, in Frame; manufactured by the Exhibitors. Price £1 to £3.

3479—Lifting-Jack; manufactured by the Exhibitors. Price 14s. to £3 15s.

3480—Crab, with Brake; manufactured by the Exhibitors. Price £5 15s.

3481—Smith's Anvil and Stand; manufactured by the Exhibitors. Price £6 6s. complete.

3482—Smith's Swage and Stand; manufactured by the Exhibitors. Price £3 6s. 6d.

3483—Smith's Bick-Iron; manufactured by the Exhibitors. Price 12s. 6d.

3484—Smith's Double Trough; manufactured by the Exhibitors. Price £2 4s. 6d.

3485—Smith's Anvil-Tools, Various; manufactured by the Exhibitors. Price 1s. 3d. to 5s.

3486—Tube-Cutters, Various; manufactured by the Exhibitors. Price 13s. to 16s. 6d.

3487—Tube-Vice; manufactured by the Exhibitors. Price £1 2s.

3488—Tue-Irons, Various; manufactured by the Exhibitors. Price 18s. to £2 5s.

3489—Vice; manufactured by the Exhibitors. Price 5s. 6d. to £3 15s.

3490—Forge-Back; manufactured by the Exhibitors. Price 15s.

3491—Foot-Lathe; manufactured by the Exhibitors. Price £12.

3492—Smith's Mandrill; manufactured by the Exhibitors. Price £2 10s.

3493—Shovels, Various; manufactured by the Exhibitors. Price 1s. 8d. to 10s.

3494—Scythes, Various; manufactured by the Exhibitors. Price 3s. to 4s. 6d.

3495—Forks, Various; manufactured by the Exhibitors. Price 1s. 6d. to 6s.

3496—Turfig-Irons, Various; manufactured by the Exhibitors. Price 8s. to 10s.

3497—Rakes, Various; manufactured by the Exhibitors. Price 6d. to 14s.

3498—Bagging-Hooks, Various; manufactured by the Exhibitors. Price 1s. 2d. to 2s.

3499—Hay-Knife; manufactured by the Exhibitors. Price 5s.

3500—Picks and Handles, Various; manufactured by the Exhibitors. Price 2s. 6d. to 5s.

3501—Soythe-Stones, Various; manufactured by the Exhibitors. Price 2d. to 6d.

3502—Wedges, Various; manufactured by the Exhibitors. Price 1s. 6d. to 2s. 6d.

3503—Syringes, Various; manufactured by the Exhibitors. Price 5s. to £1.

3504—Axes, Various; manufactured by the Exhibitors. Price 2s. 6d. to 8s.

3505—Augers and Chisels, Various; manufactured by the Exhibitors. Price 6d. to 6s.

3506—Draw-Knives, Various; manufactured by the Exhibitors. Price 1s. 6d. to 3s.

3507—Melting Ladles, Various; manufactured by the Exhibitors. Price 6d. to 6s.

3508—Chains, Various; manufactured by the Exhibitors. [Price 1s. to 10s.

3509—Plumbers' Devil; manufactured by the Exhibitors. Price £1 7s.

3510—Melting Pots, Various; manufactured by the Exhibitors. Price 1s. to 3s.

3511—Pulley Blocks, Various; manufactured by the Exhibitors. Price 4s. to £2 14s.

3512—Sack Hoist; manufactured by the Exhibitors. Price £3 10s.

3513—Galvanized Cistern; manufactured by the Exhibitors. Price 18s. 6d.

3514—Galvanized Wheelbarrow; manufactured by the Exhibitors. Price £1 15s.

3515—Sack Truck; manufactured by the Exhibitors. Price 16s.

3516—Garden Roller; manufactured by the Exhibitors. Price £2 16s.

3517—Pumps, Various; manufactured by the Exhibitors. Price £1 to £3 10s.

3518—Pails, Various; manufactured by the Exhibitors. Price 1s. to 4s.

3519—Cart Arms, Various; manufactured by the Exhibitors. Price 10s. to £2.

3520—Skid Pans, Various; manufactured by the Exhibitors. Price 1s. 6d. to 8s.

3521—Troughs, Various; manufactured by the Exhibitors. Price 2s. to 15s.

3522—Steam Fittings, Various; manufactured by the Exhibitors. Price 2s. to £2.

3523—Stable Fittings, Various; manufactured by the Exhibitors. Price 6d. to 15s.

3524—Singeing Apparatus; manufactured by the Exhibitors. Price £1 1s. 6d.

3525—Horse Clippers, Various; manufactured by the Exhibitors. Price 10s. 6d. to 12s.

3526—Curry Combs, Various; manufactured by the Exhibitors. Price 6d. to 1s.

3527—Wire Straining Screw, Complete; manufactured by the Exhibitors. Price £1 10s.

3528—Steelyards, Various; manufactured by the Exhibitors. Price 4s. 6d. to £1.

3529—Hammers, Various, manufactured by the Exhibitors. Price 6d. to 8s.

3530—Stocks and Dies, Various; manufactured by the Exhibitors. Price £1 18s. to £2 5s.

3531—Screw Plates, Various; manufactured by the Exhibitors. Price 5s. to 10s.

3532—Shears, Various; manufactured by the Exhibitors. Price 1s. 6d. to 10s.

3533—Farriers' Tools, Various; manufactured by the Exhibitors. Price 1s. to 6s.

3534—Pliers, Various; manufactured by the Exhibitors. Price 6d. to 5s.

3535—Spanners, Various; manufactured by the Exhibitors. Price 6d. to 5s.

3536—Spirit Levels, Various; manufactured by the Exhibitors. Price 3s. to 8s.

3537—Measuring Tapes, Various; manufactured by the Exhibitors. Price 3s. 6d. to 10s. 6d.

3538—Saws, Various; manufactured by the Exhibitors. Price 2s. to £1.

3539—Planes, Various; manufactured by the Exhibitors. Price 4s. to 10s.

3540—Nails, Various; manufactured by the Exhibitors. Price 2d. to 1s. per lb.

3541—Rabbit Traps; manufactured by the Exhibitors. Price 9d to 1s. 6d. each.

3542—Horse Shoes, Various; manufactured by the Exhibitors. Price 13s. 6d. to 18s. per cwt.

3543—Fencing Wire; manufactured by the Exhibitors. Price 9s. to £1 14s. per cwt.

3544—Galvanized Wire Netting; manufactured by the Exhibitors. Price 5d. per yard.

3545—Manure Bowls; manufactured by the Exhibitors. Price 3s. 6d. to 5s.

Stand No. 132.—*John G. Rollins and Co., of Old Swan Wharf, London Bridge, E.C.*

Article 3546—The "Farmer's Friend" American Grain Drill; manufactured by the "Farmer's Friend" Manufacturing Company, of Ohio, U. S. A. Price £26. 10-hoe grain drill. Special points: the cone gearing, the double force feed, the rear shifter, the force feed grass seeder. Will sow any kind of grain, large or small, light or heavy.

3547—The “Farmer’s Friend” American Grain Drill; manufactured by the “Farmer’s Friend” Manufacturing Company. Price £24. 8-hoe grain drill, similar in every respect to the preceding.

3548—The “Farmer’s Friend” American Grain Drill; manufactured by the “Farmer’s Friend” Manufacturing Company. Price £32 6s. 10-hoe drill, similar in every respect to the preceding, with the addition of the sowing fertiliser; attachment for all kinds of artificial manures.

3549—Set of American Ploughs; manufactured by Collins & Company, of New York, U. S. A. Price £2 10s. to £25. The celebrated “Eagle,” Gang, and other American ploughs.

3550—“Hollingsworth” American Horse Hay-Rake; manufactured by Dodds, of Ohio, U. S. A. Price £10 10s. With adjustable compound spring teeth and patent lever.

3551—Self-Acting American Horse Hay-Rake; manufactured by Dodds. Price £10 10s. An improved self-acting principle.

3552—American Portable Hay-Press; manufactured by Ingersoll, of America. Price £20. For packing hay, straw, wool, rags, &c.; portable, powerful and strong.

3553—American “Eagle” Cotton Gin; manufactured by the “Eagle” Gin Manufacturing Company, of America. Price £20. 18-saw gin, for all descriptions of short staple cotton. For hand—or larger sizes for power.

3554—“Archimedean” American Lawn Mower; cuts grass wet as well as dry; 6 in.; for small lawns (Verges). Price £1 5s.

3555—“Archimedean” American Lawn Mower; cuts grass wet as well as dry; 8 in. Price £2 2s.

3556—“Archimedean” American Lawn Mower; cuts grass wet as well as dry; 10 in.; for a lady or a boy. Price £3 3s.

3557—“Archimedean” American Lawn Mower; cuts grass wet as well as dry; 12 in.; for a lady or a boy. Price £4 4s.

3558—“Archimedean” American Lawn Mower; cuts grass wet as well as dry; 14 in.; for a man. Price £5 5s.

3559—“Archimedean” American Lawn Mower; cuts grass wet as well as dry; 16 in.; for a man on level lawns. Price £6 6s.

3560—“Archimedean” American Lawn Mower; cuts grass wet as well as dry; 18 in.; for a man and a boy on level lawns. Price £7 7s.

3561—“Archimedean” American Lawn Mower; cuts grass wet as well as dry; 20 in.; for a man and a boy on level lawns. Price £8 8s.

3562—“Charter Oak” Lawn Mower; cuts grass wet as well as dry; 10 in.; for a lady or boy. Price £3 3s.

3563—“Charter Oak” Lawn Mower; cuts grass wet as well as dry; 14 in.; for a man. Price £5 5s.

3564—“Charter Oak” Lawn Mower; cuts grass wet as well as dry; 18 in.; for a man and boy. Price £6 6s.

3565—Sample Dozen each “Batcheller’s” American Elastic Cast-Steel 2-Tine Hay Forks, from 5 Ft. to 7 Ft. Handles; invented and made by Batcheller, of America. Prices: No. 0, 26s.; No. 1, 30s.; No. 2, 34s.; No. 3, 36s.; No. 4, 40s.; No. 5, 45s. per dozen.

3566—Sample Dozen each “Batcheller’s” American Elastic Cast-Steel 3-Tine Hay Forks, 7 Ft. Long; invented and made by Batcheller. Prices: No. 1, £2 8s.; No. 2, £2 14s.; No. 3, £3 per dozen.

3567—Sample Dozen each "Batcheller's" American Elastic Cast-Steel 4-Tine Manure Forks; invented and made by Batcheller. Prices: long handle, black, £2 14s.; bright, £2 17s.; D handle, black, £3 6s.; bright, £3 9s. per dozen.

3568—Sample Dozen "Batcheller's" American Elastic Cast-Steel 4-Tine Spading Forks; invented and made by Batcheller. Price £3 12s. per dozen.

3569—Sample Dozen each American Hand Hay Rakes. Prices: 2 bow, 12 teeth, No. 2, 15s. per dozen; 2 bow, 14 teeth, No. 2, 19s. per dozen.

3570—Set of Seven Douglas Patent American Lift Pumps; invented and made by W. B. Douglas. Prices: No. 0, 14s.; No. 1, 16s.; No. 2, 18s.; No. 3, £1; No. 4, £1 2s.; No. 5, £1 6s.; No. 6, £1 12s. each.

3571—Set of Four Douglas Patent American Pitcher-Spout Lift Pumps; invented and made by W. B. Douglas. Prices: No. 1, 17s.; No. 2, 19s.; No. 3, £1 1s.; No. 4, £1 3s. each.

3572—Set of Four Douglas American Suction Force Pumps, arranged with Air Barrel; invented and made by W. B. Douglas. Prices: No. 2, £2 4s.; No. 3, £2 8s.; No. 4, £2 12s.; No. 6, £3 4s. each.

3573—Douglas Patent Portable Agricultural or Liquid-Manure Pump; with Brass Cylinder and Boxes, mounted on a Wrought-Iron Tripod Stand, with Improved Valves for Draining Cellars, Cesspools, &c. Price £5.

3574—Set of Douglas Patent Hydraulic Rams; made by Douglas. Prices: No. 2, £1 16s.; No. 3, £2 4s.; No. 4, £2 16s. each.

3575—Douglas Patent American Rotary Hand and Power Pump. Price £4 8s.

3576—Set of Two Douglas Patent American Rotary Barrel Pumps. Prices: No. 1, £3 12s.; No. 2, £5.

3577—Douglas Patent American Street or Yard Pump. Prices: No. 1, £1 16s.; No. 2, £2 2s.; No. 3, £2 12s.

3578—Douglas Patent American Deep-Well Pump. Price £2 8s.

3579—Nova Scotia Grindstone, mounted on Anti-Friction Rollers. Price £2 2s.

3580—Sample Case of Nova Scotia Oil-Stone. Price 6d. per lb.

3581—Sample Box of Indian Pond Scythe-Stones of Improved Shape. Price £1 10s. per gross.

3582—American Family and Dairy Scales. Prices: 1 oz. to 12 lb.; 1 oz. to 25 lbs., 7s. 6d. and 12s. 6d.

3583—Set of American Thermometer Churns. Prices: No. 0, 18s.; No. 1, £1 4s.; No. 2, £1 8s.; No. 3, £1 12s.; No. 4, £1 16s.

3584—Sample Dozen each of American Screw Wrenches. Prices: per doz., black, 6 in., £1 16s.; 8 in., £2; 10 in., £2 8s.; 12 in., £2 16s.

3585—Selection of American Cast-Steel Hammers. Price from 12s. per dozen.

3586—Selection of Patent American Rotary Bench Vices, with Offshot Jaw. Prices from 12s. to £7.

3587—Case of 1 Dozen Lightning Apple Parers; made by Goodall, America. Price £3 per dozen.

3588—Sample Case of American Rotary Nutmeg and Spice Graters. Price 12s. per dozen.

3589—Sample Dozen American “Dover” Egg-Beaters; made by Dover Stamping Company, America. Price 18s. per dozen.

3590—Clinton’s American Corn Sheller; made by Clinton, America. Price £2 10s.

3591—Burrell’s American Corn Sheller; made on Clinton’s principle. Price £2 15s.

3592—Selection of American Garden and Verandah Trellises; made by Nurse, White, and Co., America. Prices: 5 ft., 3s. 6d.; 6 ft., 4s.; 7 ft., 5s.; 8 ft., 8s.

3593—Selection of Pot and Plant Trellises. Price from 1s. 6d. to £2 8s. per dozen.

3594—Set of “Novelty” Wringers; invented, improved, and made by the American Washing and Wringing Machine Company, America. Various prices.

3595—(*New Invention*).—“Empire” Fan-Blowing American Portable Forge; made in various sizes. Price from £6.

3596—Set of “Virginia” Folding Chairs; American make. Price 7s. 6d. each.

3597—Samples of American Store Trucks. Prices: No. 0, 30s.; No. A, 25s.

3598—Sample Dozen American Cast-Steel Shovels, each Long and D Handle, Round and Square Point. Price 48s. to 54s. per dozen.

3599—Set of American Meat and Vegetable Choppers; manufactured by the American Machine Company. Prices 30s., 60s., and 120s. The best meat chopper for family or hotel use.

3600—Sample Case American Sad Irons, for Ironing Shirts, Collars, Cuffs, &c. Prices 6s. to 10s. per set.

3601—Set of American Floral Tools; manufactured by the American Tool Co., of Boston, U. S. A. Price £1 16s. per dozen; each set in a separate box.

3602—Sample Roll of Extra American Belting; manufactured by Jewell & Co., of America. Price 3d. per foot and upwards; of various sizes and extra quality.

3603—Patent American Oil Tank; manufactured by the American Tank Co., of New York, U. S. A. Price £1 5s. For household purposes; capacity 6 gallons American.

3604—Patent American Oil Tank; manufactured by the American Tank Co. Price £1 15s. For household purposes; capacity 12 gallons American.

3605—Patent American Oil Tank; manufactured by the American Tank Co. Price £4. For small retail stores; capacity 55 gallons American.

3606—Patent American Oil Tank; manufactured by the American Tank Co. Price £8 15s. For general oilmen and grocery stores; capacity 200 gallons American.

3607—Bundle of American Scythe Snaths; manufactured by Lampson & Co., of America. Price £2 2s. per dozen; extra quality.

3608—Bundle of American Patent Scythe Snaths; manufactured by Lampson & Co. Price £2 10s.; extra quality.

3609—Set of Disston’s American Cast-Steel Hand Saws; manufactured by Henry Disston & Sons, of Philadelphia, U. S. A. Price from £1 10s. per dozen. Best quality warranted.

3610—Set of Disston's American Cross-Cut Saws; manufactured by Henry Disston & Sons. Price from 11s. each. Selection of one and two men saws with handles complete.

3611—Set of Wood and Pit Saws; manufactured by Henry Disston & Sons. Price from 5s. each.

3612—Selection of American Handles. Prices various. Comprising hay fork handles, axe, pick, sledge-hammer, and hatchet handles, in hickory, elm, and ash.

3613—Selection of American Locks; manufactured by Mallory, Wheeler & Co., of New Haven, Conn., U. S. A. Price from 7s. 6d. per dozen. Comprising rim, mortice, and padlocks.

3614—Sample of "Pages" Lubricating Oil; manufactured by the Oil Refining Co., of Boston, U. S. A. Price 4s. per gallon. Specially adapted for agricultural machinery.

3615—Set of American Cooking Stoves; manufactured by Fuller, Warren & Co., of Troy, U. S. A. Price from £2 10s. For families, hotels, and public institutions.

3616—Set of Ice-Cream Freezers; manufactured by Packer and Co., of Philadelphia, U.S.A. Price 15s. each and upwards. Improved patent.

3617—Fairbank's American Weighbridge; manufactured by Messrs. Fairbank & Co., of America. Price £27. Size of platform, 14 ft. by 7 ft. 3 in.

3618—Fairbank's Bullock Weighing Machine; capacity, 20 cwt. Price £20.

3619—Fairbank's 18-Cwt. Weighing Machine, on Wheels, with Platform, 3 Ft. 8 In. by 2 Ft. 10 In. Price £17 15s.

3620—Fairbank's 10-Cwt. Weighing Machine, on Wheels, with Back Frame, Platform, 3 Ft. 5 In. by 2 Ft. 6 In. Price £14 15s.

3621—Fairbank's No. 4 Dormant Weighing Machine, with 2 Iron Columns, Platform, 3 Ft. 8 In. by 2 Ft. 8 In.; capacity 35 cwt. Price £23 10s.

3622—Fairbank's No. 8 Weighing Machine, on Wheels; capacity 16 cwt. Price £12 5s.

3623—Fairbank's No. 9 Weighing Machine, on Wheels; capacity 14 cwt. Price £10 10s.

3624—Fairbank's No. 10 Weighing Machine, on Wheels, with Rack; capacity 12 cwt. Price £10.

3625—Fairbank's No. 10½ Weighing Machine, on Wheels, with Rack; capacity 9 cwt. Price £8 15s.

3626—Fairbank's No. 11 Weighing Machine, on Wheels, with Rack; capacity 6 cwt. Price £6 15s.

3627—Fairbank's No. 11 Weighing Machine; capacity 6 cwt. Price £5 15s.

3628—Fairbank's No. 11 Weighing Machine, on Wheels, Iron Pillar, and Rack; capacity 6 cwt. Price £7 10s.

3629—Fairbank's No. 11½ Weighing Machine, on Wheels, with Rack; capacity 4 cwt. Price £5 10s.

3630—Fairbank's No. 11½ Weighing Machine, with Rack, capacity 4 cwt. Price £4 15s.

3631—Fairbank's No. 11½ Weighing Machine, on Wheels, Iron Pillar, and Rack; capacity 4 cwt. Price £6 5s.

3632—Fairbank's No. 12 Weighing Machine, Tall Pillar; capacity $2\frac{1}{2}$ cwt. Price £4.

3633—Fairbank's No. 12 Weighing Machine, Short Pillar, and Rack; capacity $2\frac{1}{2}$ cwt. Price £4.

3634—Fairbank's Union Scale Tin Scoop; capacity $2\frac{1}{4}$ cwt. Price £2 13s.

3635—Fairbank's Union Scale Brass Scoop, 2 Platforms; capacity $2\frac{1}{4}$ cwt. Price £2 18s.

3636—Fairbank's Improved Scale and Scoop; capacity 60 lbs. Price £2 10s.

3637—Fairbank's Improved Scale and Scoop; capacity 30 lbs. Price £2.

3638—Fairbank's No. 1 Even Balance Trip Scale, Round Porcelain and Side Beam; capacity 20 lbs. Price £2 7s.

3639—Fairbank's No. 2 Even Balance Trip Scale, Round Porcelain and Side Beam; capacity 10 lbs. Price £1 16s.

3640—Fairbank's No. 3 Even Balance Trip Scale, Round Porcelain and Side Beam; capacity 6 lbs. Price £1 10s.

3641—Fairbank's No. 1 Even Balance Trip Scale, Tin Scoop; capacity 20 lbs. Price £1 14s.

3642—Fairbank's No. 2 Even Balance Trip Scale, Tin Scoop and Side Beam; capacity 10 lbs. Price £2 1s.

3643—Fairbank's No. 2 Even Balance Trip Scale, Square Porcelain Plate; capacity 10 lbs. Price £1 12s.

3644—Fairbank's No. 3 Even Balance Trip Scale, Square Porcelain Plate; capacity 6 lbs. Price £1 5s.

3645—Fairbank's No. 4 Even Balance Trip Scale, Tin Funnel Scoop; capacity 2 lbs. Price £1.

3646—Fairbank's No. 3 Even Balance Trip Scale, Brass Funnel Scoop; capacity 6 lbs. Price £1 4s.

3647—Fairbank's No. 2 Even Balance Trip Scale, Brass Pan; capacity 10 lbs. Price £1 10s.

3648—Fairbank's Grocers' Scale for Seeds, Tin Scoop; capacity 60 lbs. Price £2 5s.

3649—Fairbank's No. 4 Even Balance Trip Scale, Round Porcelain Plate; capacity 2 lbs. Price £1.

3650—Fairbank's No. 3 Even Balance Trip Scale, Brass Scoop; capacity 6 lbs. Price £1 4s.

3651—American Type Writer, No. 1; manufactured by the Type Writer Co., America. Price £21. Small Roman type.

3652—American Type Writer, No. 2; manufactured by the Type Writer Co. Price £25. Upper and lower case.

3653—American Type Writer, No. 3; manufactured by the Type Writer Co. Price £23. Special for solicitors.

3654—American Type Writer, No. 4; manufactured by the Type Writer Co. Price £21. Portable machine.

3655—American Type Writer, No. 5; manufactured by the Type Writer Co. Price £21. Large Roman type.

3656—Collection of American Mills. Price from 10s. 6d. each. For grain, coffee, spice, &c.

3657—Collection of American Baby Carriages; manufactured by The Carriage Co., New York, U.S.A. Price from £2 7s. 6d. each. Improved patent, single and double carriages.

Stand No. 133. — *Alfred E. Peirce, of 465, Oxford Street, London.*

Article 3658—General Purpose 2-Wheel Plough, with Steel Breast, Skim Coulter, &c.; manufactured for the Exhibitor. Price £3 18s.

3659—A Set of Improved 8-Ft. Wide General Purpose Drag Harrows; manufactured for the Exhibitor. Price £2 17s. 6d.

3660—Set of Improved 5 Ft. by 6 Ft. 1-Horse Chain Harrows; manufactured for the Exhibitor. Price £1 15s.

3661—Improved 4-Row General Purpose Corn, Seed, &c., Drill; manufactured for the Exhibitor. Price £7 8s. 6d.

3662—Improved 1-Horse Combined Reaping and Mowing Machine; manufactured for the Exhibitor. Price £18 10s.

3663—Improved Wheel Hay, Corn, &c., Hand Rake; manufactured for the Exhibitor. Price £2 2s.

3664—Improved Painted and Varnished Hand Drag Rakes; manufactured for the Exhibitor. Price 12s. 6d.

3665—Improved 1-Length, D o, Chaff Cutter; manufactured for the Exhibitor. Price £1 17s. 6d.

3666—Improved 1-Length, D o, Chaff Cutter; manufactured for the Exhibitor. Price £2 3s. 6d.

3667—Improved 2-Length, D A, Rising Mouth Chaff Cutter; manufactured for the Exhibitor. Price £2 18s.

3668—Improved 2-Length, D H, Rising Mouth Chaff Cutter; manufactured for the Exhibitor. Price £3 18s.

3669—Improved Small Occupation Turnip Cutter; manufactured for the Exhibitor. Price £1 12s.

3670—Improved General Purpose Turnip, &c., Slicer; manufactured for the Exhibitor. Price £3 3s.

3671—Improved General Purpose Turnip, &c., Pulper; manufactured for the Exhibitor. Price £2 12s. 6d.

3672—Improved No. o, Oat, Bean, Maize, Bruising, Splitting, &c., Mill; manufactured for the Exhibitor. Price £2 2s.

3673—Improved 6-Length, o E, Oil Cake, &c., Mill; manufactured for the Exhibitor. Price £3.

3674—Peirce's Patent 140-Gallon Water Cart, Drinking Trough, Cattle Crib, Sheep Dipping Apparatus, &c., with Pump and Distributor Complete; manufactured by the Exhibitor. Price £16 15s.

3675—Peirce's Improved Galvanised Iron Tripod Manure, &c., Pump, with 10 Ft. of Rubber Hose; manufactured by the Exhibitor. Price £3 15s.

3676—Peirce's Improved 15, 20, 30, and 50-Gallon Water, Pig Meat, &c., Barrows; manufactured by the Exhibitor. Price from £2. Upon high wheels, with lawn, &c., distributors, and pumps for garden watering.

3677—Peirce's Patent Galvanised Iron Complete Piggeries, Dog Kennels, &c.; manufactured by the Exhibitor. Price £10 10s.

3678—Peirce's Patent Wrought-Iron Galvanised Sanitary Cow-House Fittings; manufactured by the Exhibitor. Price £8 8s. per set.

3679—Peirce's Improved Wrought-Iron Portable Furnaces; manufactured by the Exhibitor. Price from £1 6s.

3680—Peirce's Improved Wrought-Iron Portable Furnace, Steaming Apparatus, &c., on Wheels; manufactured by the Exhibitor. Price from £4.

3681—Peirce's Patent Royal Prize, 6, 8, 9, 10, and 12-Ft. Wrought-Iron Galvanised, Pig, Sheep, and Cattle Troughs; manufactured by the Exhibitor. Price from 18s. Unequalled for strength, durability, and cleanliness.

3682—Peirce's Improved Galvanised-Iron Broad-Casting Seed, Salt, Nitrate, &c., Hoppers; manufactured by the Exhibitor. Price 7s. 6d.

3683—Peirce's Improved Tin and Galvanised-Iron Unbreakable Barn, Malt, Chaff, &c., Shovels; manufactured by the Exhibitor. Price from 5s.

3684—Peirce's Patent Tubular Iron, &c., Wheel and Fodder Barrows, &c.; manufactured by the Exhibitor. Price from 10s. Lighter, stronger, and more durable than any other.

3685—Peirce's Patent Folding Poultry, Game, &c., Houses, with Galvanised-Iron Runs; manufactured by the Exhibitor. Price £5. Of superior construction, with risen floors, return runs, draw-out nest, and adjustable doors for outside access to eggs, killing, cleaning, &c.

3686—Peirce's Patent Folding Poultry, &c., Coops and Rat-Proof Galvanised Wire Runs; manufactured by the Exhibitor. Price 17s. 6d. To instantly open for use, and to fold for storing.

3687—Improved Extra Strong Galvanized Poultry Fencing; manufactured for the Exhibitor. Price 5s. 9d. per yard.

3688—Improved Extra Strong Galvanized Wire Poultry, &c., Netting; manufactured for the Exhibitor. Price 3d. per yard.

3689—Peirce's Improved Galvanised-Iron Sanitary Poultry, &c., Troughs and Fountains; manufactured by the Exhibitor. Price 4s.

3690—Peirce's Improved Iron Round and Square Damp and Vermin-Proof Corn, &c., Bins; manufactured by the Exhibitor. Price from 13s.

3691—Peirce's Improved Iron and Wood Sack Trucks; manufactured by the Exhibitor. Price 13s. 6d.; india-rubber tyres, 12s. extra.

3692—Peirce's Improved Sycamore Box Churns; manufactured for the Exhibitor. Price 18s. 6d. Constructed to agitate and produce butter quickly without turning rancid.

3693—Improved Barrel Churns, of Selected Superior Finished Oak; manufactured for the Exhibitor. Price £3.

3694—Peirce's Improved 2-Wheel Detachable-Can Milk Carriage, of Superior Construction; manufactured by the Exhibitor. Price £3 15s.

3695—Peirce's Improved 3-Wheel Perambulator Milk Carriage; manufactured by the Exhibitor. Price £6.

3696—Improved Seamless Tinned and Enamelled-Iron Milk Pans and Utensils; manufactured for the Exhibitor. Price 2s. 3d.

3697—Improved Iron Cheese Press; manufactured for the Exhibitor. Price £2 12s. 6d.

3698—Peirce's Improved Pole and Telescope Lengthable Thatching, &c.; Ladders; manufactured by the Exhibitor. Price £1 7s. 6d. Of wrought-iron tube, to lengthen to required heights and hinged for step purposes.

3699—Peirce's Improved Adjustable Platform, Granary, &c., Weighing Machine; manufactured for the Exhibitor. Price £3 17s.

3700—Peirce's Improved General Purposes Treadle, &c., Grindstones; manufactured by the Exhibitor. Price £1 2s.

3701—Peirce's Improved Extra Strong Iron Field-Gate, with Self-Fixing Pillars; manufactured for the Exhibitor. Price £4.

3702—Peirce's Improved Strong Iron Wicket and Gate, with Self-Fixing Pillars; manufactured for the Exhibitor. Price £2 15s.

3703—Peirce's Improved Strong Iron Field Hurdles; manufactured for the Exhibitor. Price 4s. 2d.

3704—Peirce's Improved Strong Iron Game-Proof Hurdle; manufactured for the Exhibitor. Price 9s. 10d.

3705—Peirce's Patent Barrow Pump, Garden, Fire, &c., Engine, to Throw 20 Gallons per Minute 50 Ft.; manufactured by the Exhibitor. Price £6.

3706—Peirce's Improved 6 to 26-In. Lawn Mowers, for Long or Short, Wet or Dry, Grass, &c.; manufactured for the Exhibitor. Price from £1 5s.

3707—Improved 14 to 30-In. Single and Double-Cylinder Garden, &c., Rollers; manufactured for the Exhibitor. Price from £1 10s.

3708—Improved Garden Engines, with Jets, Roses, &c., Complete, 10 to 30 Gallons; manufactured for the Exhibitor. Price from £3.

3709—Peirce's Improved Iron Automatic, &c., Pick-up Self-Coiling Hose Reels; manufactured by the Exhibitor. Price from 7s. 6d. A complete perambulating reel, to take up hose without being injured by rough surfaces.

3710—Peirce's Improved Britannia, Hibernia, Highland, Cambrian, &c., Iron and Wood and Ornamental Bronzed Garden Seats; manufactured by the Exhibitor. Price from 18s. 6d.

3711—Peirce's Improved Iron and Wood Beach, Camp, Croquet, Parisian, &c., Chairs; manufactured by the Exhibitor. Price from 4s. 6d.

3712—Peirce's Improved Adjustable Garden-Seat Awnings, to suit any Seat; manufactured by the Exhibitor. Price £2 10s.

3713—Peirce's Registered Victoria Canopy Seat, with Ornamental Cover and Adjustable Curtains; manufactured by the Exhibitor. Price £7. A perfect 6-ft. bower of unequalled comfort.

3714—Peirce's Improved Folding Umbrella Tents, Chairs, and Tables; manufactured by the Exhibitor. Price of tents, 25s.; chairs, 4s. 6d.; tables, 9s. 6d. each.

3715—Peirce's Improved Ornamental Richly-Bronzed Round and Square Tables; manufactured for the Exhibitor. Price from £1 5s.

3716—Peirce's Registered Britannia Richly-Bronzed Fern, Flower Vase, and Rustic Pedestal; manufactured by the Exhibitor. Price £5.

3717—Improved Ornamental Cast-Iron Leicester-Pattern Vases; manufactured for the Exhibitor. Price from 17s. 6d.

3718—Improved Cast-Iron Various-Pattern Vases and Pedestals; manufactured for the Exhibitor. Price from £1 5s.

3719—Improved Ornamental Richly-Bronzed Iron Fountains; manufactured for the Exhibitor. Price £7 10s.

3720—Peirce's Registered, &c., Ornamental Iron and Wire Garden Arches, Porches, &c.; manufactured by the Exhibitor. Price from 10s.

3721—Improved Ornamental Japanned and Galvanized Iron and Wire Flower-Stands; manufactured for the Exhibitor. Price from 6s.

3722—Improved Japanned and Galvanized Wire Flower Baskets; manufactured for the Exhibitor. Price from 1s. 9d.

3723—Peirce's Improved Self-Acting Safety Lawn, Nursery, &c., Level-Seat Swings, for Agreeable Recreation; manufactured by the Exhibitor. Price from £3 10s.

3724—Peirce's Improved 8 Ft. by 6 Ft. Ornamental Tenant's Fixture Greenhouse; manufactured by the Exhibitor. Price £12.

3725—Peirce's Improved Complete Tenant's Fixture Heating Apparatus; manufactured by the Exhibitor. Price £5 10s.

3726—Improved Cast-Iron Single and Double Pig and Hay Troughs; manufactured for the Exhibitor. Price from 8s.

3727—Improved Extra-Strong Wrought-Iron Painted Weather Vane; manufactured for the Exhibitor. Price £2 15s.

3728—Improved Juvenile and Household Washing, Wringing, and Mangling Machine; manufactured for the Exhibitor. Price from £5 5s.

3729—Improved Instant-Adjustment Wringing and Mangling Machines; manufactured for the Exhibitor. Price from £2 3s. 6d.

3730—Improved American-Geared India-Rubber Wringing Machines; manufactured for the Exhibitor. Price from £1 10s.

3731—Improved Refrigerators, Cabinet Ice Safes, &c., with Water-Tanks, Adjustable Shelves, Hooks, &c.; manufactured for the Exhibitor. Price from £2 10s.

3732—Improved Wood and Zinc Outdoor Larders, Meat Safes, &c.; manufactured by the Exhibitor. Price from £1 18s.

3733—Peirce's Improved Dog Kennel, of Selected Wood; manufactured by the Exhibitor. Price from £1 1s.

3734—Peirce's Improved Strong Galvanized-Iron Dust-Bin, with Cinder Sifters; manufactured by the Exhibitor. Price from £1 17s. 6d.

3735—Peirce's Improved Wrought-Iron Single and Double Wine Bins, with and without Lockable Doors; manufactured by the Exhibitor. Price from 3s. 6d.

3736—Peirce's Registered Royal 4 and 6-Step Step Chairs, of Different Patterns, Woods, and Finish; manufactured by the Exhibitor. Price from 12s. 6d. For the hall, library, office, warehouse, greenhouse, &c. Over 35,000 sold.

3737—Peirce's Improved Brass, &c., Syringes, Garden-Pumps, &c.; manufactured for the Exhibitor. Price from 3s. 6d.

3738—Peirce's Improved Hard-Wood Linen, Napkin, &c., Presses; manufactured by the Exhibitor. Price from £1 2s.

3739—Peirce's Improved Expanding and Revolving Clothes Horses; manufactured by the Exhibitor. Price from 8s.

3740—Peirce's Improved Adjustable Brush Carpet Sweeper; manufactured by the Exhibitor. Price from 12s.

3741—Peirce's Improved Adjustable Self-Acting Tubular Carriage Jacks; manufactured by the Exhibitor. Price 15s.

3742—Improved Ashantee Garden Hammocks; manufactured for the Exhibitor. Price from 10s. 6d.

3743—Peirce's Improved Ornamental Minton-Tile Flower-Boxes; manufactured by the Exhibitor. Price 5s. 6d. per foot.

3744—Improved 2-Wheel Lawn-Tennis Marker; manufactured for the Exhibitor. Price 17s. 6d.

3745—Improved 60-Ft. Length of Best India-Rubber Garden, &c., Hose, with Filterers; manufactured for the Exhibitor. Price from £1 1s. the set.

Stand No. 134, —Sawney and Co. (Limited), of Beverley, Yorkshire.

Article 3746—Improved Light 1-Horse Cart; manufactured by the Exhibitors. Price £14 10s.; harvest shelvings, £1 15s. extra. To carry 20 to 25 cwt.; tire, $3\frac{1}{2}$ in. by $\frac{1}{2}$ in.; with tipping apparatus.

3747—Improved 1-Horse Cart; manufactured by the Exhibitors. Price £15 10s. Stronger than the preceding; to carry 25 to 30 cwt.; tire, $3\frac{1}{2}$ in. by $\frac{1}{2}$ in.

3748—Leeds Pattern 1-Horse Cart, with Harvest Ladders; manufactured by the Exhibitors. Price £17 10s. To carry 25 to 30 cwt.; tire, 4 in. by $\frac{1}{2}$ in. If without harvest ladders, £1 less. Fitted with improved tipping apparatus.

3749—Improved Pony-Cart; manufactured by the Exhibitors; Price £13. To carry 15 cwt.; tire, $2\frac{1}{2}$ in. by $\frac{1}{2}$ in.; wheels, 4 ft. diam.

3750—London Pattern Cart; manufactured by the Exhibitors. Price £21 10s. To carry 30 cwt., with springs and patent arms complete; tire, 3 in. by $\frac{1}{2}$ in.

3751—Improved Market Cart; manufactured by the Exhibitors. Price £18 10s. To carry 12 cwt. Fitted with mail patent axle, springs, side-wings, &c.

3752—Strong Market Cart; manufactured by the Exhibitors. Price £19 10s. To carry 15 cwt. Stronger than the preceding; fitted with mail patent axle, &c.

3753—Improved Pair-Horse Waggon, with Shafts; manufactured by the Exhibitors. Price £36; harvest ladders, £1 10s.; double shafts, £2; drag chain and shoe, £1 10s. extra. To carry 3 tons; tire, $2\frac{1}{2}$ in. by $\frac{1}{2}$ in.; with framed and panelled sides and ends. Strong and substantially made.

3754—Improved Corn-Dressing Machine, No. 1; manufactured by the Exhibitors. Price £6 10s. Specially adapted for small occupations.

3755—Improved Corn-Dressing Machine, No. 2; manufactured by the Exhibitors. Price £7. A size larger than the preceding.

3756—Combined Winnowing and Blowing Machine, No. 4; manufactured by the Exhibitors. Price £8. Larger and stronger than the former; riddles 18 in. wide.

3757—Combined Winnowing and Blowing Machine, No. 5; manufactured by the Exhibitors. Price £8 10s. Similar to preceding article; riddles 20 in. wide.

3758—Royal Prize Winnowing, Blowing, and Screening Machine, No. 12; manufactured by the Exhibitors. Price £9 15s. Riddles 18 in. wide; long oscillating screen, and all latest improvements.

3759—Royal Prize Winnowing, Blowing, and Screening Machine, No. 13; manufactured by the Exhibitors. Price £10 5s. Riddles 20 in. wide. The most useful size, and warranted to give perfect satisfaction.

3760—Royal Prize Winnowing, Blowing, and Screening Machine, No. 14; manufactured by the Exhibitors. Price £10 15s. Riddles 22 in. wide, and in other respects same as the preceding article.

3761—Side-Delivery Corn-Dressing Machine, No. 21; manufactured by the Exhibitors. Price £8. Riddles 18 in. wide. Specially designed for those who prefer side delivery, and believed to be the best machine of the class extant.

3762—Corn Elevator and Weighing Machine; manufactured by the Exhibitors. Price, corn elevator, £5 5s.; weighing machine, £2 6s. Can be attached to any of the preceding machines (except Article No. 3761), and then corn can be winnowed, screened, sacked, and weighed at one operation.

3763—Patent Potato Cleaner and Separator, No. 1; manufactured by the Exhibitors. Price £3 5s. Capable of sorting 20 to 25 cwt. per hour.

3764—Patent Potato Cleaner and Separator, No. 2; manufactured by the Exhibitors. Price £3 12s. 6d. Larger than the preceding.

3765—Set of General Purpose Harrows, x 12; manufactured by the Exhibitors. Price £3 10s. Cover 8½ ft., and suitable for light land.

3766—Set of Strong General Purpose Harrows, x 12; manufactured by the Exhibitors. Price £4 5s. Cover 9½ ft., and suitable for strong land.

3767—Collection of Sack Barrows and Trucks; manufactured by the Exhibitors. Price from 11s. 6d. each and upwards.

3768—Improved Weighing Machine, No. 2; manufactured by the Exhibitors. Price £2 10s. To weigh 3 cwt.

3769—Treadle Grindstone on Iron Frame, No. 1; manufactured by the Exhibitors. Price £2 12s. Fitted with water-barrel and tap complete.

3770—Treadle Grindstone on Wood Frame No. 2; manufactured by the Exhibitors. Price £1 16s. Runs in brass bushes and stone in water.

3771—Treadle Grindstone on Wood Frame, No. 3; manufactured by the Exhibitors. Price £2 8s. Runs on friction rollers and stone in water.

3772—General Purpose Sack Elevator, No. 1; manufactured by the Exhibitors. Price £2 10s.

3773—Large and Strong Sack Elevator, No. 2; manufactured by the Exhibitors. Price £3 3s. Stronger, and lifts higher than the preceding.

3774—Improved Sack Elevator, No. 3; manufactured by the Exhibitors. Price £3. Similar to Article No. 3772, but has an easier motion attached.

3775—Hand Road Scraper; manufactured by the Exhibitors. Price £5. Constructed entirely of iron and steel.

3776—Open Hand Cart; manufactured by the Exhibitors. Price £7 15s. Fitted with springs and mail patent axle.

3777—Covered Hand Cart; manufactured by the Exhibitors. Price £8. Fitted with springs and mail patent axle.

3778—Collection of Wheelbarrows; manufactured by the Exhibitors. Price £1 7s. 6d.

3779—Registered Safety Swing, for Children, No. 2; manufactured by the Exhibitors. Price £4. Strong, secure, ornamental, and substantial.

3780—Ornamental Safety Swing for Children, No. 3; manufactured by the Exhibitors. Price £6 10s. Of more ornamental pattern than preceding, and fitted with awning or sunshade.

3781—Collection of Garden and Croquet Seats; manufactured by the Exhibitors. Price 8s. each and upwards.

3782—Collection of Folding Steps and Chairs Combined; manufactured by the Exhibitors. Price 8s. 6d. each and upwards.

3783—Collection of Folding Tables and Stools; manufactured by the Exhibitors. Price 5s. each and upwards.

3784—Collection of Meat Safes; manufactured by the Exhibitors. Price 18s. each and upwards.

3785—Collection of Barrel Stands; manufactured by the Exhibitors. Price from 10s. each and upwards.

Stand No. 135.—*The St. Pancras Iron-Work Company, of St. Pancras Road, London, N.W.*

Article 3786—Set of Patent Stable Fittings for a Loose-Box Enclosure; manufactured by the Exhibitors. Price £36 16s. Ironwork only.

3787—Patent Manger for Loose-Box; manufactured by the Exhibitors. Price £4 10s.

3788—Patent Stall Division with Barrier Bar; manufactured by the Exhibitors. Price £8. Ironwork only.

3789—Patent Manger for a Stall; manufactured by the Exhibitors. Price £6 10s.

3790—Set of Patent Fittings for a Stall; manufactured by the Exhibitors. Price £13 10s. Ironwork only.

3791—Set of Patent Fittings for a Stall; manufactured by the Exhibitors. Price £13. Ironwork only.

3792—Set of Patent Fittings for a Stall; manufactured by the Exhibitors. Price £11. Ironwork only.

3793—Set of Patent Fittings for a Stall; manufactured by the Exhibitors. Price £9 12s. 6d. Ironwork only.

3794—Patent Manger for a Stall; manufactured by the Exhibitors. Price £4 12s. 6d.

3795—Set of Patent Fittings for a Stall; manufactured by the Exhibitors. Price £9. Ironwork only.

3796—Set of Patent Fittings for a Loose-Box Enclosure; manufactured by the Exhibitors. Price £19 7s. 6d. Ironwork only.

3797—Patent Manger for a Loose-Box; manufactured by the Exhibitors. Price £3 15s.

3798—Set of Patent Wrought-Iron Surface Gutters; manufactured by the Exhibitors. Price 2s. 6d. per foot.

3799—Set of Patent Wrought-Iron Covered Gutters; manufactured by the Exhibitors. Price 2s. 9d. per foot.

3800—Patent Syphon Drain-Pot for Stables; manufactured by the Exhibitors. Price £1.

3801—Set of Improved Iron Fittings for Cow-Houses; manufactured by the Exhibitors. Price £3 per cow.

3802—(*New Implement.*)—Set of Improved Iron Fittings for Cow-Houses; manufactured by the Exhibitors. Price £4 10s. per cow.

3803—Set of Improved Iron and Wood Fittings for Cow-Houses; manufactured by the Exhibitors. Price £5 per cow.

3804—Patent Iron Piggery Front; manufactured by the Exhibitors. Price £3 15s.

3805—Patent Iron Piggery Front; manufactured by the Exhibitors. Price £4 15s.

3806—Improved Iron Piggery Front; manufactured by the Exhibitors. Price £5.

3807—(*New Implement.*)—Improved Iron Piggery Front; manufactured by the Exhibitors. Price £5.

3808—Improved Iron Geometrical Staircase; manufactured by the Exhibitors. Price £1 per step.

3809—Set of Registered Brackets for Hanging Riding Harness on, in Malleable Iron; manufactured by the Exhibitors. Price 12s. per set.

3810—Set of Patent Brackets for Hanging Driving Harness on, Enamelled; manufactured by the Exhibitors. Price 16s. 6d. per set.

Stand No. 136.—*Matterson, Huxley, and Watson, of Coventry, Warwick.*

Article 3811—Assortment of 8-In. Pig Troughs; manufactured by the Exhibitors. Price 3s. to 9s. each.

3812—Assortment of 10-In. Pig Troughs; manufactured by the Exhibitors. Price 4s. to 12s. each.

3813—Assortment of 12-In. Pig Troughs; manufactured by the Exhibitors. Price 5s. to 15s. each.

3814—Assortment of Single Norfolk Pig Troughs; manufactured by the Exhibitors. Price 8s. to 18s. 6d. each.

3815—Assortment of Double Norfolk Pig Troughs; manufactured by the Exhibitors. Price 7s. 6d. to 12s. 6d. each.

3816—Assortment of Circular Pig Troughs; manufactured by the Exhibitors. Price 10s. to £1 each.

3817—Assortment of Galvanized-Iron Pig Troughs; manufactured by the Exhibitors. Price 6s. to £1 each.

3818—Assortment of Poultry Troughs; manufactured by the Exhibitors. Price 8d. to 7s. 6d. each.

3819—Assortment of Sheep Troughs; manufactured by the Exhibitors. Price 2s. to 8s. each.

3820—Assortment of Cattle Troughs; manufactured by the Exhibitors. Price 7s. 6d. to £1 5s. each.

3821—Assortment of Cast-Iron Mangers; manufactured by the Exhibitors. Price 12s. 6d. to £1 12s. each.

3822—Assortment of Wrought-Iron Hay Racks; manufactured by the Exhibitors. Price 9s. 6d. to 18s. each.

3823—Assortment of Stable Fittings; manufactured by the Exhibitors. Price £2 5s. to £3 10s. each.

3824—18-In. Grindstone in Wood Frame; manufactured by the Exhibitors. Price £1 15s.

3825—24-In. Grindstone in Wood Frame; manufactured by the Exhibitors. Price £2 2s.

3826—Assortment of Garden Rolls; manufactured by the Exhibitors. Price £1 10s to £6 10s. each.

3827—Assortment of Garden Chairs; manufactured by the Exhibitors. Price 7s. 6d. to £1 16s. each.

3828—Assortment of Garden Tables. Price 14s. to £2 10s.

3829—Assortment of Heavy Double-Cylinder Grass Rolls, with Wood Shafts; manufactured by the Exhibitors. Price £10 10s. to £14 10s.

3830—Assortment of Heavy Single-Cylinder Grass Rolls, with Iron Shafts; manufactured by the Exhibitors. Price £9 10s. to £12 10s.

3831—Improved Kitchen Range, with Oven and Hot Closet; manufactured by the Exhibitors. Price £7 10s.

3832—Improved Kitchen Range, with Oven, Hot Closet, and Boiler, to act as Open or Close Fire; manufactured by the Exhibitors. Price £12 10s.

3833—Strong Improved Kitchen Range, with Oven and Extra Large Boiler; manufactured by the Exhibitors. Price £14 10s.

3834—Improved Kitchen Range, with Oven and Boiler; manufactured by the Exhibitors. Price £5.

3835—Improved Kitchen Range, to act as Close or Open Fire. Price £4 4s.

3836—Improved Cottage Range, with Oven and Boiler; manufactured by the Exhibitors. Price £1 16s.

3837—Improved Cottage Range, with Two Ovens; manufactured by the Exhibitors. Price £4.

3838—Improved Cottage Range, to act as Close or Open Fire; manufactured by the Exhibitors. Price £2 8s.

3839—18-In. Portable Vice Stand, Fitted with Vice. Price £2 5s.

3840—24-In. Portable Vice Stand, Fitted with Vice. Price £2 10s.

Stand No. 137.—*Benjamin Edgington, of 2, Duke Street, London Bridge, Southwark, S.E.*

Article 3841—Rick Cloth, 8 Yards by 6 Yards; manufactured by the Exhibitor. Price £6 6s. From strong flax canvas, generally used with three poles, which with ropes and pulleys are charged separately.

3842—Brown Dressed Waggon Cloth, 15 Ft. by 10 Ft.; manufactured by the Exhibitor. Price £2 10s. From pure flax canvas, perfectly waterproof and pliable.

3843—Black Dressed Waggon Cloth, 15 Ft. by 9 Ft.; manufactured by the Exhibitor. Price £1 17s. 6d. From strong canvas, perfectly waterproof and pliable.

3844—Sample of Sheep Netting; manufactured by the Exhibitor. Price 6d. per yard. From tarred hemp twine, 7-in. mesh,

3845—Sample of Rabbit Netting; manufactured by the Exhibitor. Price £3 per 100 yards.

3846—Assortment of Corn, Seed, and Flour Sacks; manufactured by the Exhibitor. Price from 9d. to 3s. each.

3847—Assortment of Sacking and Woollen Horse Cloths. Price from 9s. to 21s. each.

3848—Assortment of Nose Bags, for Horses; manufactured by the Exhibitor. Price from 2s. 6d. to 4s. 6d. each.

3849—Assortment of Waterproof Loin Cloths for Horses. Price from 8s. 6d. to 14s. each.

3850—Assortment of Waterproof Capes, Leggings, and Coats; Price from 3s. 6d. to £2 15s. each. Suitable for shepherds, keepers, and others.

3851—Sample of Sack Tyers and Thatching Yarn. Price from £1 8s. to £2 6s. 8d. per cwt.

3852—Thrashing Cloth, 18 Ft. by 12 Ft.; manufactured by the Exhibitor. Price £1 4s.

3853—Hexagonal Garden Tent (Patent); manufactured by the Exhibitor. Price £5 5s. Light and portable; can be easily erected by one person in a few minutes; constructed with porch and inside-roof lining.

3854—Patent Garden Umbrella and Bathing Tent combined; manufactured by the Exhibitor. Price £3. 9-ft. diameter at base; 7-ft. in roof; walls all round 6-ft. deep. With inside-roof lining.

3855—Garden Canopy, 6 Ft. Square; manufactured by the Exhibitor. Price £4 5s. Made from striped canvas, and fitted with centre and corner poles.

3856—Patent Garden Umbrella, 12-Ft. diameter; manufactured by the Exhibitor. Price £10. Made from strong striped or white canvas, and lined with scarlet or blue. The centre pole let into a socket in the ground.

3857—Patent "Gwynfê" Hammock, No. 1; manufactured by the Exhibitor. Price £2 10s. Ash framework, turned and varnished; hammock of coloured tick, and bag complete. Can also be had with outside awning at £1 extra.

3858—Patent "Gwynfê" Hammock and Tent, No. 2; manufactured by the Exhibitor. Price £2 10s. Ash framework, plain turned; hammock of strong canvas, waterproof, tent, and bag complete.

3859—Patent "Wethered" Camp Bedstead or Garden Lounge; manufactured by the Exhibitor. Price £2 5s. May be used either as a bed, lounge, hammock, stretcher, or chair.

3860—Ashantee Pocket Hammocks. Price from 13s. to 22s. each, including waterproof case.

3861—Canvas Garden Stools, in three sizes. Price 3s. 6d., 4s. 6d., and 5s. 6d. each.

3862—Canvas and Carpet Garden Chairs. Price from 6s. 6d. to £1 1s.

3863—Embroidered Garden Folding Table. Price £1 5s.

Stand No. 138.—*Bayliss, Jones, and Bayliss, of Victoria Works, Wolverhampton, Stafford; and 3, Crooked Lane, King William Street, London, E.C.*

Article 3864—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 281 τ ; manufactured by the Exhibitors. Price 1s. 8d. per yard. 3 ft. 6 in. high, standards 3 ft. apart, with patent earth plates.

3865—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 288 τ ; manufactured by the Exhibitors. Price 1s. 9d. per yard. 3 ft. 6 in. high, standards 3 ft. apart.

3866—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 286 τ ; manufactured by the Exhibitors. Price 2s. 11½d. per yard. 4 ft. high, standards 3 ft. apart.

3867—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 298 τ ; manufactured by the Exhibitors. Price 2s. 6d. per yard. 4 ft. high, standards 5 ft. apart.

3868—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 292 τ ; manufactured by the Exhibitors. Price 2s. 5d. per yard. standards 5 ft. apart.

3869—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 287 τ ; manufactured by the Exhibitors. Price 2s. 5d. per yard. 4 ft. 6 in. high, standards 5 ft. apart.

3870—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 293 τ ; manufactured by the Exhibitors. Price 2s. 8d. per yard. 4 ft. 6 in. high, standards 4 ft. apart.

3871—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 289 τ ; manufactured by the Exhibitors. Price 1s. 10d. per yard. 3ft. 9 in. high, standards 4 ft. apart.

3872—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 290 τ ; manufactured by the Exhibitors. Price 2s. 2½d. per yard. 3 ft. 9 in. high, standards 3 ft. apart.

3873—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 295 τ ; manufactured by the Exhibitors. Price 2s. 3½d. per yard. 3 ft. 9 in. high, standards 3 ft. apart.

3874—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 291 τ ; manufactured by the Exhibitors. Price 2s. 2½d. per yard. 4 ft. high, standards 4 ft. apart.

3875—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 297 τ ; manufactured by the Exhibitors. Price 2s. 4d. per yard. 8 ft. 9 in. high, standards 4 ft. apart.

3876—Specimen of Patent Tubular Continuous Bar Fencing, Estimate No. 299 τ ; manufactured by the Exhibitors. Price 2s. 9½d. per yard. 4 ft. 6 in. high, standards 4 ft. apart.

3877—Specimen of Patent Tubular Continuous Deer Park Fencing, Estimate No. 320 τ ; manufactured by the Exhibitors. Price 2s. 6d. per yard. 6 ft. high, standards made of 1½ in. girder iron, and 4 ft. apart.

3878—Specimen of Patent Tubular Continuous Deer Park Fencing, Estimate No. 321 τ ; manufactured by the Exhibitors. Price 2s. 10d. per yard. Similar to Article No. 3877, only all the tubes ½ in. diameter, standards 4 ft. apart.

3879—Specimen of Patent Tubular Continuous Deer Park Fencing; manufactured by the Exhibitors. Price 2s. 9d. per yard. Similar to Estimate No. 321 T, but the standards are made of T-iron and placed 4 ft. apart. If 3 ft. apart, 3s. 2½d. per yard.

3880—Specimen of Patent Tubular "Corrimony" Wire Fencing, Estimate No. 2; manufactured by the Exhibitors. Price 1s. per yard. 3 ft. 9 in. high.

3881—Specimen of Patent Continuous Flat Bar Fencing, Estimate No. 15; manufactured by the Exhibitors. Price 2s. 7d. per yard. 4 ft. high, 6 bars, top one $\frac{11}{16}$ in. square, and five lower ones 1 in. by $\frac{1}{4}$ in. flat. Patent earth plates instead of feet.

3882—Specimen of Patent Continuous Flat Bar Fence, Estimate No. 24 P; manufactured by the Exhibitors. Price 2s. 7d. per yard. With T-iron standards 3 ft. apart.

3883—Specimen of Patent Continuous Ox Fence, Estimate No. 15; manufactured by the Exhibitors. Price 2s. 3d. per yard. It stands 3 ft. 9 in. high, top bar $\frac{3}{4}$ in. diameter, and four lower ones 1 in. and $\frac{1}{4}$ in. flat. Singles $1\frac{1}{2}$ in. by $\frac{3}{8}$ in., placed 3 ft. apart, and joining standards $1\frac{3}{4}$ in. by $\frac{3}{8}$ in.

3884—Specimen of Patent Continuous Ox Fence, Estimate No. 23 P; manufactured by the Exhibitors. Price 2s. 3d. per yard. With patent earth plates.

3885—Specimen of Patent Continuous Fence, Estimate No. 13 A; manufactured by the Exhibitors. Price 1s. 9d. per yard. 3 ft. 6 in. high.

3886—Specimen of Patent Continuous Fence, Estimate No. 22 P; manufactured by the Exhibitors. Price 1s. 11d. per yard. 3 ft. 6 in. high.

3887—Specimen of Patent Continuous Fence, Estimate No. 14; manufactured by the Exhibitors. Price 1s. 10½d. per yard. 3 ft. 6 in. high.

3888—Specimen of Patent Continuous Fence, Estimate No. 16; manufactured by the Exhibitors. Price 2s. 6d. per yard. 4 ft. 6 in. high.

3889—Specimen of Patent Continuous Fence, Estimate No. 25 P; manufactured by the Exhibitors. Price 3s. 2d. per yard. 4 ft. 6 in. high.

3890—Specimen of Patent Continuous Fence, Estimate No. 20; manufactured by the Exhibitors. Price 2s. 7d. per yard. 4 ft. 6 in. high.

3891—Specimen of Patent Continuous Fence, Estimate No. 16 A; manufactured by the Exhibitors. Price 1s. 7d. per yard.

3892—Specimen of Patent Continuous Fence, Estimate No. 17; manufactured by the Exhibitors. Price 1s. 9½d. per yard.

3893—Specimen of Patent Continuous Fence, Estimate No. 18; manufactured by the Exhibitors. Price 2s. 6½d. per yard. Chain top.

3894—Specimen of Patent Continuous Fence, Estimate No. 27 P; manufactured by the Exhibitors. Price 2s. 1½d. per yard.

3895—Specimen of Continuous Fence, Estimate No. 19; manufactured by the Exhibitors. Price 2s. 4d. per yard. Standards 4 ft. apart.

3896—Specimen of Patent Continuous Fence, Estimate No. 28 P; manufactured by the Exhibitors. Price 2s. 5d. per yard. Standards 4 ft. apart.

3897—Specimen of Patent Deer Park Fencing, Estimate No. 53; manufactured by the Exhibitors. Price 2s. 11½d. per yard.

3898—Specimen of Patent Deer Park Fencing, Estimate No. 54; manufactured by the Exhibitors. Price 3s. 3½d. per yard.

3899—Specimen of Extra Strong Cable Strained Wire Fence, Estimate No. 38; manufactured by the Exhibitors. Price 1s. 5d. per yard. With patent tubular droppers between each standard, 4 ft. high.

3900—Specimen of Patent Strained Wire Fencing, Estimate No. 32 P; manufactured by the Exhibitors. Price 1s. 6d. per yard. 4 ft. high.

3901—Specimen of Patent Strained Wire Fencing, Estimate No. 33 P; manufactured by the Exhibitors. Price 1s. 7d. per yard. 4 ft. high.

3902—Specimen of Patent Strained Wire Fencing, Estimate No. 21 A; manufactured by the Exhibitors. Price 1s. 1½d. per yard.

3903—Specimen of Wire Fencing; manufactured by the Exhibitors. 4 ft. high, 7 wires, 2 top, Nos. 4, and 5 lower ones, No. 6, galvanized 7-ply strand, with angle-iron standards, 1½ by 1½ by ⅜, 7 ft. apart.

3904—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 252 T; manufactured by the Exhibitors. Price 2s. 3d. per yard.

3905—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 253 T; manufactured by the Exhibitors. Price 2s. 7d. per yard.

3906—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 255 T; manufactured by the Exhibitors. Price 2s. 9d. per yard.

3907—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 256 T; manufactured by the Exhibitors. Price 2s. 7d. per yard.

3908—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 259 T; manufactured by the Exhibitors. Price 3s. 2½d. per yard.

3909—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 261 T; manufactured by the Exhibitors. Price 2s. 11d. per yard.

3910—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 262 T; manufactured by the Exhibitors. Price 3s. 4d. per yard.

3911—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 263 T; manufactured by the Exhibitors. Price 3s. 3d. per yard.

3912—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 264 T; manufactured by the Exhibitors. Price 3s. 10d. per yard.

3913—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 264 T; manufactured by the Exhibitors. Price 3s. 7d. per yard. 4 ft. 6 in. high, and girder-iron uprights.

3914—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 99 T; manufactured by the Exhibitors. Price 8s. 9d. each. 10 ft. long.

3915—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 100 T; manufactured by the Exhibitors. Price 6s. 10d. each. 10 ft. long.

3916—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 101 T; manufactured by the Exhibitors. Price 8s. 7½d. each. 10 ft. long, 2 middles.

3917—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 102 T; manufactured by the Exhibitors. Price 9s. 8d. each. 10 ft. long, 2 middles.

3918—Specimen of Patent Tubular Cattle-Hurdle, Estimate No. 103 T; manufactured by the Exhibitors. Price 10s. 8d. each. 10 ft. long, 2 middles.

3919—Patent Tubular Unclimbable Vertical Bar-Hurdle, Estimate No. 270 T; manufactured by the Exhibitors. Price 5s. 7d. per yard. ¾-in. tubes, 4 ft. high, every other bar speared.

3920—Patent Tubular Unclimbable Vertical Bar-Hurdle, Estimate No. 270 A; manufactured by the Exhibitors. Price 6s. 3½d. per yard. 4 ft. 6 in. high.

3921—Patent Tubular Unclimbable Vertical Bar-Hurdle, Estimate No. 270 B; manufactured by the Exhibitors. Price 6s. 10d. per yard. 5 ft. high.

3922—Patent Tubular Unclimbable Vertical Bar-Hurdle, Estimate No. 270 B; manufactured by the Exhibitors. Price 7s. 9d. per yard. 6 ft. high.

3923—Specimen Length of Continuous Unclimbable Vertical Bar Railing, Estimate No. 270 T; manufactured by the Exhibitors. 9 ft. long, by 4 ft. 6 in. high; tubes $\frac{7}{8}$ in. diameter; standards $1\frac{1}{4}$ in. by $\frac{7}{16}$ in.; horizontals, $1\frac{1}{4}$ in. by $\frac{5}{16}$ in. For price see Manufacturers' Catalogue.

3924—Specimen of Patent Unclimbable Railing, Estimate No. T; manufactured by the Exhibitors. 5ft. high, tubes $\frac{7}{8}$ in. diameter with T-iron frame. For price see Manufacturers' Catalogue.

3925—Specimen of Patent Sheep-Hurdle, Estimate No. 16 c; manufactured by the Exhibitors. Price 1s. 6½d. per yard.

3926—Specimen of Patent Sheep-Hurdle, Estimate No. 18 B; manufactured by the Exhibitors. Price 1s. 7d. per yard.

3927—Specimen of Patent Sheep-Hurdle, Estimate No. 18 c; manufactured by the Exhibitors. Price 1s. 8½d. per yard.

3928—Specimen of Patent Sheep-Hurdle, Estimate No. 19 B; manufactured by the Exhibitors. Price 1s. 8d. per yard.

3929—Specimen of Patent Sheep-Hurdle, Estimate No. 19 c; manufactured by the Exhibitors. Price 1s. 9d. per yard.

3930—Specimen of Patent Sheep-Hurdle, Estimate No. 1; manufactured by the Exhibitors. Price 1s. 10½d. per yard.

3931—Specimen of Patent Sheep-Hurdle, Estimate No. 2; manufactured by the Exhibitors. Price 1s. 8½d. per yard.

3932—Specimen of Patent Sheep-Hurdle, Estimate No. 16 B; manufactured by the Exhibitors. Price 1s. 9d. per yard.

3933—Specimen of Patent Sheep-Hurdle, Estimate No. 17 B; manufactured by the Exhibitors. Price 1s. 10½d. per yard.

3934—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 12; manufactured by the Exhibitors. Price 1s. 9d. per yard.

3935—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 8; manufactured by the Exhibitors. Price 1s. 10½d. per yard.

3936—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 9; manufactured by the Exhibitors. Price 2s. 6½d. per yard.

3937—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 3; manufactured by the Exhibitors. Price 2s. per yard.

3938—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 10; manufactured by the Exhibitors. Price 2s. per yard.

3939—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 5; manufactured by the Exhibitors. Price 2s. 6½d. per yard.

3940—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 6; manufactured by the Exhibitors. Price 2s. 4½d. per yard.

3941—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 20 B; manufactured by the Exhibitors. Price 2s. 6d. per yard.

3942—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 21 B; manufactured by the Exhibitors. Price 7s. 9d. per yard.

3943—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 22 B; manufactured by the Exhibitors. Price 3s. 6d. per yard.

3944—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 23 B; manufactured by the Exhibitors. Price 2s. 6d. per yard.

3945—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 4; manufactured by the Exhibitors. Price 2s. 9d. per yard.

3946—Specimen of Patent Wrought-Iron Cattle-Hurdle, Estimate No. 7; manufactured by the Exhibitors. Price 3s. 4d. per yard.

3947—Specimen of Unclimbable Vertical Bar Railing, Estimate No. 112; manufactured by the Exhibitors. Price 3s. 2d. per yard. 3 ft. 9 in. high, bars $\frac{1}{2}$ in. diameter, frame $1\frac{1}{2}$ in. by $\frac{3}{4}$ in.

3948—Specimen of Unclimbable Vertical Bar Railing, Estimate No. 112; manufactured by the Exhibitors. Price 4s. 6d. per yard. 4 ft. high, bars $\frac{3}{4}$ in. diameter.

3949—Specimen of Unclimbable Vertical Bar Railing, Estimate No. 112; manufactured by the Exhibitors. Price 5s. 7 $\frac{1}{2}$ d. per yard. 4 ft. 6 in. high, bars $\frac{3}{4}$ in. diameter.

3950—Specimen of Strong Unclimbable Vertical Bar Hurdle, Estimate No. 11; manufactured by the Exhibitors. Price 5s. per yard.

3951—Specimen of Strong Unclimbable Vertical Bar Hurdle, Estimate No. 11 s; manufactured by the Exhibitors. Price 5s. 7d. per yard.

3952—Specimen of Strong Unclimbable Vertical Bar Hurdle, Estimate No. 11 B; manufactured by the Exhibitors. Price 3s. 10d. per yard.

3953—Specimen of Strong Unclimbable Vertical Bar Hurdle, Estimate No. 30; manufactured by the Exhibitors. Price 4s. 3 $\frac{1}{2}$ d. per yard.

3954—Specimen of Strong Unclimbable Vertical Bar Hurdle, Estimate No. 30; manufactured by the Exhibitors. Price 5s. 10 $\frac{1}{2}$ d. per yard. 4 ft. 6 in. high, with 1 in. by $\frac{5}{8}$ in. bars.

3955—Specimen of Strong Game-Proof Deer-Hurdle, Estimate No. 31; manufactured by the Exhibitors. Price 6s. 9d. per yard.

3956—Specimen of Patent Sheep-Folding Hurdle, on Wheels, 12 Ft. Long, Estimate No. 87 c; manufactured by the Exhibitors. Price 4s. 9d. per yard.

3957—Specimen of Patent Sheep-Folding Hurdles, on Wheels, Estimate No. 78 T; manufactured by the Exhibitors. Price 4s. 1d. per yard.

3958—Specimen of Patent Sheep-Folding Hurdle, on Wheels, Estimate No. 93; manufactured by the Exhibitors. Price 4s. 10d. per yard.

3959—Specimen of Patent Sheep-Folding Hurdle, on Wheels; manufactured by the Exhibitors. Price £1 5s. each. With lamb creep.

3960—Specimen of Patent Sheep-Folding Rack Hurdle, Estimate No. 36 A; manufactured by the Exhibitors. Price 6s. 1d. per yard.

3961—Specimen of Patent Sheep-Folding Hay Rack Hurdle, on Wheels. Price £1 10s. each.

3962—Pair of Tubular Unclimbable Vertical Bar Gates; manufactured by the Exhibitors. Price £5 5s. complete. Hung to octagon cast-iron pillars with self-fixing bases, to match Article No. 3923. 9 ft. long by 4 ft. 6 in. high, with slip-bolt for padlock and gate stop complete.

3963—Tubular Unclimbable Vertical Bar Wicket Gate; manufactured by the Exhibitors. Price £2 7s. 6d. Hung to octagon cast-iron pillars, self-fixing bases. 3 ft. 6 in. wide by 4 ft. 6 in. high; $\frac{3}{4}$ in. tubes, complete with slip bolt.

3964—Tubular Hand Gate, No. 500; manufactured by the Exhibitors. Price £1 12s. 6d. Hung to cast-iron pillars, self-fixing bases, to match Article No. 3874.

3965—Tubular Hand Gate No. 502 ; manufactured by the Exhibitors. Price £3 13s. 6d. Hung to cast-iron pillars, self-fixing bases to match Article No. 3871.

3966—Sample of Tubular Park Railing, No. 2050 ; manufactured by the Exhibitors. Price 13s. per yard. 4 ft. 6 in. high ; if 5 ft. high, 14s. 6d. per yard.

3967—Sample of Ornamental Hurdle, Estimate No. 1 A ; manufactured by the Exhibitors. Price 3s. 9d. per yard. 3 ft. high.

3968—Sample of Ornamental Hurdle, Estimate No. 2 A ; manufactured by the Exhibitors. Price 3s. 7d. per yard. 2 ft. 6 in. high.

3969—Sample of Ornamental Hurdle, Estimate, No. 3 A ; manufactured by the Exhibitors. Price 4s. 4d. per yard. 3 ft. 6 in. high.

3970—Sample of Ornamental Hurdle, Estimate, No. 4 A ; manufactured by the Exhibitors. Price 4s. per yard. 3 ft. high.

3971—Sample of Ornamental Hurdle, Estimate No. 5 A ; manufactured by the Exhibitors. Price 4s. 6d. per yard. 4 ft. high.

3972—Sample of Ornamental Hurdle, Estimate No. 6 A ; manufactured by the Exhibitors. Price 4s. 6d. per yard. 4 ft. high.

3973—Sample of Ornamental Hurdle, Estimate No. 7 A ; Price 3s. 9d. per yard. 3 ft. high.

3974—Sample of Ornamental Hurdle, Estimate No. 8 A ; manufactured by the Exhibitors. Price 4s. 4d. per yard. 3ft. 6 in. high.

3975—Sample of Ornamental Hurdle ; No. 9 A ; manufactured by the Exhibitors. Price 3s. 9d. per yard. 3 ft. high. :

3976—Sample of Ornamental Hurdle, No. 10 A ; manufactured by the Exhibitors. Price 3s. 9d. per yard. 3 ft. high.

3977—Sample of Ornamental Hurdle, No. 15 A ; manufactured by the Exhibitors. Price 4s. 7d. per yard. 3 ft. 6 in. high.

3978—Sample of Game Proof Ox Hurdle, No. 11 A ; manufactured by the Exhibitors. Price 4s. 3d. per yard.

3979—Sample of Game Proof Ox Hurdle, No. 12 A ; manufactured by the Exhibitors. Price 4s. 3d. per yard.

3980—Sample of Light Ornamental Border Hurdle, No. 17 D ; manufactured by the Exhibitors. Price 2s. 0½d. per yard. 12 in. high.

3981—Sample of Light Ornamental Border Hurdle, No. 19 D ; manufactured by the Exhibitors. Price 2s. 2½d. per yard. 18 in. high.

3982—Sample of Footpath Gate, No. 62 ; manufactured by the Exhibitors. Price £2. Hung to cast-iron pillars.

3983—Sample Step-Ladder, for Iron and Wire Fences ; manufactured by the Exhibitors. Price £1 10s.

3984—Hand Gate, No. 58 A ; manufactured by the Exhibitors. Price £1 13s. Hung to cast-iron pillars ; to match Article No. 3881.

3985—Hand Gate, No. 58 c ; manufactured by the Exhibitors. Price £3. Hung to cast-iron pillars ; to match Article No. 3896.

3986—Hand Gate, No. 50 ; manufactured by the Exhibitors. Price £1 15s. Hung to cast-iron pillars ; self-fixing bases ; to match Article No. 3885.

3987—Pair of Farmyard Gates, No. 60 ; manufactured by the Exhibitors. Price £4. Hung to cast-iron pillars ; self-fixing bases.

3988—Wrought-Iron Field Gate, No. 63 ; manufactured by the Exhibitors. Price £1 3s. With hangings for wood or stone.

3989—Wrought-Iron Field Gate, No. 66; manufactured by the Exhibitors. Price £4. Hung to cast-iron pillars; self-fixing bases, fitted with patent riding latch.

3990—Tubular Field Gate, No. 70; manufactured by the Exhibitors. Price £3 18s. Hung to cast-iron pillars; self-fixing bases, fitted with patent riding latch.

3991—Entrance Gate, No. 68; manufactured by the Exhibitors. Price £6 3s. 6d. Hung to cast-iron pillars; self-fixing bases, made self-shutting, and fitted with patent riding latch.

3992—Carriage Gate, No. 55; manufactured by the Exhibitors. Price £9. Hung to square cast-iron pillars, to fix on stone, fitted with patent riding latch, and made self-shutting.

3993—Pair of Wrought-Iron Entrance Gates No. 100; manufactured by the Exhibitors. Price £13 5s. Hung to square cast-iron pillars, 10 ft. wide by 5 ft. 6 in. high, with lock complete.

3994—Pair of Ornamental Wrought-Iron Entrance Gates, No. 106; manufactured by the Exhibitors. Price £64. 11 ft. wide by 6 ft. high, hung to Gothic cast-iron pillars, with lock and chain complete.

3995—Pair of Unclimbable Gates, No. 108; manufactured by the Exhibitors. Price £6 6s. Hung to cast-iron pillars, 9 ft. wide by 5 ft. high, with lock and gate-stop complete.

3996—Ornamental Hand Gate, No. 79; manufactured by the Exhibitors. Price £2 19s. Hung to cast-iron pillars; self-fixing bases.

3997—Ornamental Hand Gate, No. 80; manufactured by the Exhibitors. Price £3 11s. Hung to cast-iron pillars; self-fixing bases.

3998—Sample of Gothic Railing, No. 197; manufactured by the Exhibitors. Price 2s. 2d. per foot.

3999—Sample of Gothic Railing, No. 200; manufactured by the Exhibitors. Price 12s. 6d. per foot.

4000—Sample of Dog Kennel Railing; manufactured by the Exhibitors. Price 17s. per yard.

4001—Samples of Wrought-Iron Tree Guards; manufactured by the Exhibitors. Price 9s. 9d. each.

4002—Patent Vermin Proof Rick Stand; manufactured by the Exhibitors. Price £4 15s. Fixed on cast-iron pillars, with patent screw bases, 12 ft. by 10 ft. wide.

4003—Improved Wrought-Iron Sheep Hay Rack; manufactured by the Exhibitors. Price £5 5s. 7 ft. long, with corrugated sheet-iron top, and double galvanized trough.

4004—Galvanized Cow Crib; manufactured by the Exhibitors. Price £4 7s. 6d. 4 ft. square, by 9 in. deep.

4005—Galvanized Sheep Trough. Price £1 12s. 6d. 9 ft. long, by 1 ft. 4 in. wide, by 8 in. deep.

4006—Wrought-Iron Cattle Hurdle, made for Export; manufactured by the Exhibitors. For prices see Manufacturers' Catalogue. 10 ft. long by 3 ft. 6 in. high; 5 bars, top one 1 in. by $\frac{5}{16}$ in. flat; the lower ones, 1 in. by $\frac{1}{2}$ in. flat; sides, $1\frac{1}{2}$ in. by $\frac{5}{16}$ in.; and the two $1\frac{3}{4}$ in. by $\frac{5}{16}$ in.

4007—Wrought-Iron Cattle Hurdle, made for Export; manufactured by the Exhibitors. For price see Manufacturers' Catalogue. 6 ft. long by 3 ft. 6 inches high; top bar, $\frac{3}{4}$ in. diameter, and 4 lower ones $\frac{1}{2}$ in. diameter; screwed and double-nutted at each end.

4008—Wrought-Iron Cattle Hurdle for Export; manufactured by the Exhibitors. For price see Manufacturers' Catalogue. 10 ft. long by 3 ft. 9 in. high; top bar, $\frac{1}{2}$ in. diameter, and 4 lower ones 1 in. by $\frac{1}{2}$ in. flat.

4009—Patent Tubular Cattle Hurdle; manufactured by the Exhibitors. For price see Manufacturers' Catalogue. 8 ft. long by 4 ft. high; top bar, $\frac{1}{2}$ in. tube, and 4 lower ones, $\frac{1}{2}$ in. tubes.

4010—Sheep-Folding Hurdle on Wheels, made Portable for Export; manufactured by the Exhibitors. For price see Manufacturers' Catalogue. 12 ft. long; top bar 1 inch tube, and screwed at each end with double nuts, bottom end of sides turned up to screw to bottom horizontal with 2 pins, the four intermediate flat bars fastened on the Gib and Cotter principle.

4011—Assortment of Straining Brackets Suitable for Wire Fencing; manufactured by the Exhibitors. Price from 2s. 6d. each.

4012—Sample of Wire Fencing, for Export, Estimate No. A 3; manufactured by the Exhibitors. For price see Manufacturers' Catalogue. 3 ft. 6 inches high, 7 lines galvanized strand wire.

4013—Sample of Wire Fencing, for Export; manufactured by the Exhibitors. For price see Manufacturers' Catalogue. 3 ft. 6 in. high, with 6 lines of galvanized strand wire, 5 ply strand, patent tubular dropper between each standard, patent pillar every 250 yards fence.

4014—Sample of Wire Fencing, for Export; manufactured by the Exhibitors. For price see Manufacturers' Catalogue. 3 ft. 6 in. high, with 7 lines of steel wire; pillars 250 yards apart.

4015—Sample of Wire Fencing, for Export; manufactured by the Exhibitors. For price see Manufacturers' Catalogue. 4 ft. high, 7 lines of best annealed black wire.

4016—Patent Pillar and Stay, No. 323, manufactured by the Exhibitors. Price £1 7s. 3 ft. 6 inches high, for 6 wires.

4017—Solid Pillar and Stay, No. 322; manufactured by the Exhibitors. Price £1 1s. 3 ft. 6 in. high, for 6 wires.

4018—Patent Pillar and Stay, No. 324; manufactured by the Exhibitors. Price £1 7s. 3 feet 9 in. high, 7 wires.

4019—Tubular Pillar and Stay for Angles in Wire Fence; manufactured by the Exhibitors. Price £1 2s. 3 ft. 9 in. high, 7 wires.

4020—Victoria Straining Pillar and Stay, Single; manufactured by the Exhibitors. Price £1 7s. 3 ft. 9 in. high, 7 wires.

4021—Victoria Straining Pillar and Stay, Double; manufactured by the Exhibitors. Price £1 12s. 6d. 3 ft. 9 in. high, 7 wires.

4022—Assorted Sizes of Straining Screws, Suitable for Wire Fencing; manufactured by the Exhibitors. Price 8s. per dozen.

4023—Samples of Wire Fence Standards suitable for the Colonies; manufactured by the Exhibitors. For price see Manufacturers' Catalogue.

4024—Samples of Galvanized Strand Wire, 7 Ply. For price see Manufacturers' Catalogue.

4025—Samples of Annealed Black Wire. For price see Manufacturers' Catalogue.

4026—Samples of Steel Wire, both Round and Oval. For price see Manufacturers' Catalogue.

4027—Set of Fencing Tools used in the Erection of Wire Fencing. Price £2 2s.

4028—Samples of Galvanized Wire Netting. Price from 4½d. per yard.

4029—Samples of Galvanized Sheep Netting. Price from 11d. per yard.

4030—Sample of Ordinary Wheelbarrow, No. 1; manufactured by the Exhibitors. Price £1 12s. 6d.

4031—Sample of Ordinary Wheelbarrow, No. 2; manufactured by the Exhibitors. Price £1 16s.

4032—Sample of Navvy Barrow; manufactured by the Exhibitors. Price £1 5s.

4033—Sample of Patent Chain Harrow; manufactured by the Exhibitors. Price £2 2s. 7 ft. 6 in. by 5 ft.

4034—Sample of Patent Chain Harrow; manufactured by the Exhibitors. Price £2 5s. 7 ft. 6 in. by 6 ft.

4035—Sample of Ordinary Chain Harrow; manufactured by the Exhibitors. £2 6s. 7 ft. 6 in. by 7 ft. 6 in.

Stand No. 139.—*Stone and Lythall, of Prague, Austria.*

Article 4036—(*New Implement.*)—"Bertel's" Patent Combined Beet-Root and Artificial Manure Drill for Ridge Work; manufactured by the Exhibitors. Price £28.

4037—(*New Implement.*)—Combined Beet-Root and Artificial Manure Drill for either Flat or Ridge Work; manufactured by the Exhibitors. Price £32.

4038—(*New Implement.*)—Ridging Plough, with Forecarriage; manufactured by the Exhibitors. Price £3; forecarriage, £1 extra.

4039—(*New Implement.*)—"Süsta's" Patent Subsoil Plough, with Forecarriage; manufactured by the Exhibitors. Price £2 10s.; forecarriage, £1 extra.

Stand No. 140.—*Colthurst, Symons, and Co., of Bridgwater, Somerset.*

Article 4040—Patent Roman Roofing Tiles; invented and manufactured by the Exhibitors. Price £7 per 1000, or 12s. 3d. per square of 100 ft. Close fitting; will not strip in rough weather. The saving in timber is considerable, as the tiles are battened 13½ in. These tiles were awarded the *only* Medals at the Exhibition at Paris, 1867, Vienna, 1873, and Silver Medal, Paris, 1875.

4041—Patent Roman Ridge Tiles; manufactured by the Exhibitors. Price 4s. per dozen, or 4d. per foot run. Formed to match Article No. 4040. The roll of tile is carried continuously over the ridge of the building, which gives a similarity of design; it does not require any mortar on the ridge tile, being securely fixed with a small quantity laid between them and the roofing tile.

4042—Patent Eave Tiles; manufactured by the Exhibitors. Price 4s. per dozen, or 4d. per foot run. The tiles are imperishable, and last as long as the building to which they may be applied, without the aid of paint or

any other preservative; in case of filling up with dead leaves, or any other cause, they must overflow on the outside, and not against the building. Samples of bricks, sanitary drain pipes, flooring tiles, malt kiln tiles, ridges, &c.

4043—Patent Scouring Bricks (Bath Bricks); manufactured by the Exhibitors. Price £1 10s. per 1040, nett. The best and cheapest material for cleaning and scouring milk-pans and other implements used by the agriculturist.

Stand No. 141.—*William Walton, of Runley, Manchester.*

Article 4044—Single Entrance Gate, with Metal Pillars and Patent Automatic Apparatus (W. Walton's Patent); manufactured by Lee & Co., of Victoria Street, Manchester. Price £36 10s. These gates open and close at the approach of a vehicle.

4045—Single Entrance Gate and Metal Pillars; manufactured by W. Smith, of Castle Field, Manchester. Price £42.

4046—Pair of Entrance Gates, with Metal Pillars; manufactured by Lee & Co., of Victoria Street, Manchester. Price £60.

4047—Model of Self-Acting Gate and Apparatus; manufactured by W. Smith, of Castle Field, Manchester. (*Not for Sale.*)

Stand No. 142.—*A. and J. Main and Co., of Possil Park, Glasgow, and 108, Queen Victoria Street, London, E.C.*

Article 4048—Specimen of Patent Continuous Flat-Bar Fencing; manufactured by the Exhibitors. Price 1s. 8d. per yard. 3 ft. 4 in. high, 5 bars. Estimate No. 1.

4049—Sample of Patent Continuous Flat-Bar Fencing; manufactured by the Exhibitors. Price 1s. 9d. per yard. 3 ft. 4 in. high, 5 bars. Estimate No. 1 A.

4050—Sample of Patent Continuous Bar Fencing; manufactured by the Exhibitors. Price 1s. 10d. per yard. 3 ft. 6 in. high. Estimate No. 2.

4051—Sample of Patent Continuous Flat-Bar Fencing; manufactured by the Exhibitors. Price 2s. 2d. per yard. 3 ft. 9 in. high. Estimate No. 3.

4052—Sample of Patent Continuous Flat-Bar Fencing; manufactured by the Exhibitors. Price 2s. 7d. per yard. 4 ft. 6 in. high, 6 bars. Estimate No. 11.

4053—Sample of Patent Flat-Bar Deer Fence; manufactured by the Exhibitors. Price 2s. 11d. per yard. 6 ft. high, 8 bars. Estimate No. 9.

4054—Sample of Patent Continuous Bar Fencing; manufactured by the Exhibitors. Price 1s. 11d. per yard. 3 ft. 6 in. high, square top bar. Estimate No. 14.

4055—Sample of Patent Continuous Bar Fencing; manufactured by the Exhibitors. Price 2s. 6d. per yard. 3 ft. 9 in. high, patent T-iron top bar. Estimate No. 23.

4056—Sample of Patent Continuous Round-Bar Fencing; manufactured by the Exhibitors. Price 1s. 8½d. per yard. 3 ft. 6 in. high. Estimate No. 6.

4057—Sample of Patent Continuous Round-Bar Fencing; manufactured by the Exhibitors. Price 2s. 2½d. per yard. 3 ft. 9 in. high. Estimate No. 7.

4058—Sample Strong Sheep Hurdle; manufactured by the Exhibitors. Price 3s. 8d. each. 5 round bars, 6 ft. long by 3 ft. 4 in. high.

4059—Sample Strong Sheep Hurdle; manufactured by the Exhibitors. Price 4s. 4d. each. 5 round bars, 6 ft. by 3 ft. 6 in.

4060—Sample Cattle Hurdle; manufactured by the Exhibitors. Price 5s. 11d. each. 5 round bars, 6 ft. by 3 ft. 9 in.

4061—Sample Strong Flat-Bar Sheep Hurdle; manufactured by the Exhibitors. Price 4s. 1d. each. 5 bars, 6 ft. by 3 ft. 4 in.

4062—Sample Flat-Bar Sheep or Cattle Hurdle; manufactured by the Exhibitors. Price 4s. 4d. each. 5 bars, 6 ft. by 3 ft. 6 in.

4063—Sample Flat-Bar Heavy Cattle Hurdle; manufactured by the Exhibitors. Price 6s. 2d. each. 5 bars, 6 ft. by 4 ft. high.

4064—Sample of Self-Fixing Wire Fencing; manufactured by the Exhibitors. Price 11½d. per yard. With 5 lines of steel wire, 3 ft. 6 in. high. Estimate No. 92 c.

4065—Sample of Improved Wire Fencing; manufactured by the Exhibitors. Price 1s. 1½d. per yard. With 5 lines of best bright wire, 3 ft. 6 in. high. Estimate No. 75 b.

4066—Sample of Improved Wire Fencing; manufactured by the Exhibitors. Price 1s. 6d. per yard. With 6 lines of best galvanized twisted strand wire, 3 ft. 9 in. high. Estimate a.

4067—Sample of Improved Wire Fencing; manufactured by the Exhibitors. Price 2s. per yard. With 7 lines of best galvanized strand wire, 4 ft. high, and flanged iron standards. Estimate c 1.

4068—Sample of Dwarf Ornamental Wire Fencing; manufactured by the Exhibitors. Price 1s. 9d. per yard. With 2 lines of galvanized strand wire, 18 in. high.

4069—Sample of Game-Proof Unclimbable Wire Fencing; manufactured by the Exhibitors. Price 7s. 6d. per yard. Having vertical wires, No. 8 gauge, laced on a strained wire fence at 1½ in. apart.

4070—Sample of Fence Steps with Hand Rail; manufactured by the Exhibitors. Price £1 15s.

4071—Set of Improved Fencing Tools; manufactured by the Exhibitors. Price £2 10s. For erection of wire fences.

4072—Wrought-Iron Unclimbable Vertical Bar Hurdle; manufactured by the Exhibitors. Price 4s. 7d. per yard. Round bars 6 ft. by 3 ft 6 in. Estimate No. 13.

4073—Wrought-Iron Unclimbable Vertical Bar Hurdle; manufactured by the Exhibitors. Price 6s. 1d. per yard. Round bars 6 ft. by 4 ft. Estimate No. 14.

4074—Wrought-Iron Unclimbable Vertical Bar Hurdle; manufactured by the Exhibitors. Price 6s. 2d. per yard. Square bars 6 ft. by 4 ft. Estimate No. 16.

4075—Wrought-Iron Unclimbable Vertical Bar Hurdle; manufactured by the Exhibitors. Price 5s. per yard. Flat bars 6 ft. by 3 ft. 6 in. Estimate No. 17.

4076—Wrought-Iron Field Gate; manufactured by the Exhibitors. Price £3 7s. 6d. per set. 9 ft. wide by 4 ft. high. Hung to two cast-iron pillars with self-fixing bases.

4077—Wrought-Iron Field Gate; manufactured by the Exhibitors. Price £3 7s. 6d. per set. 9 ft. wide by 4 ft. high. Hung to two cast-iron pillars with bases.

4078—(*New Implement.*)—Wrought-Iron Field Gate; manufactured by the Exhibitors. Price £2 17s. per set. 9 ft. wide by 4 ft. high. Hung to strong wrought-iron pillars with self-fixing bases.

4079—Wrought-Iron Field Gate; manufactured by the Exhibitors. Price £4 13s. 6d. per set. 9 ft. wide by 3 ft. 9 in. high. Hung to two cast-iron octagon pillars with bases.

4080—Wrought-Iron Wicket, 4 Ft. Wide; manufactured by the Exhibitors. Price £2 17s. Hung to two cast-iron pillars with bases.

4081—Wrought-Iron Wicket and Bow; manufactured by the Exhibitors. Price £1 17s. 6d. With improved folding wicket.

4082—Wrought-Iron Double-Leaf Tubular Gate; manufactured by the Exhibitors. Price £9 5s. per set. 10 ft. wide by 4 ft. 6 in. high. Hung to two cast-iron pillars with flanges for stone.

4083—Ornamental Entrance-Gate and Pillars; manufactured by the Exhibitors. Price £28 10s. 10 ft. wide by 6 ft. high.

4084—Ornamental Entrance-Gate and Pillars; manufactured by the Exhibitors. Price £18 15s. 10 ft. wide by 5 ft. high.

4085—Ornamental Entrance-Gate and Pillars; manufactured by the Exhibitors. Price £15 15s. 10 ft. wide by 5 ft. high. ;

4086—Ornamental Entrance-Gate; manufactured by the Exhibitors. Price £37 10s.

4087—Wrought-iron Ornamental Wicket; manufactured by the Exhibitors. Price £7 5s. 5 ft. high by 4 ft. wide. Hung to two fluted cast-iron pillars.

4088—Wrought-Iron Ornamental Wicket and Pillars; manufactured by the Exhibitors. Price £7 10s.

4089—Wrought-Iron Ornamental Wicket; manufactured by the Exhibitors. Price £3 5s. 4 ft. wide by 3 ft. 6 in. high. Hung to two cast-iron pillars with bases.

4090—Sample Wrought-Iron Tree Guard; manufactured by the Exhibitors. Price 15s. 6 ft. high by 2 ft. 3 in. in diameter.

4091—Sample Ornamental Wrought-Iron Hurdle; manufactured by the Exhibitors. Price 7s. 6d. each. 6 ft. by 3 ft. high.

4092—Sample of Iron Garden Hurdle; manufactured by the Exhibitors. Price 6s. each. 6 ft. by 1 ft. 3 in. high.

4093—Sample Ornamental Iron and Wire Hurdle; manufactured by the Exhibitors. Price 7s. 6d. each. 6 ft. by 30 in. high.

4094—Sample Ornamental Iron and Wire Hurdle; manufactured by the Exhibitors. Price 8s. 4d. each. 6 ft. long by 36 in. high.

4095—Sample Ornamental Iron and Wire Hurdle; manufactured by the Exhibitors. Price 6s. 8d. each. 6 ft. long by 24 in. high.

4096—Sample of Ornamental Metal Garden Bordering; manufactured by the Exhibitors. Price 2s. 35 in. long.

4097—Sample Lot Six Garden Chairs; manufactured by the Exhibitors. Price from 10s. each.

4098—Two Garden Tables ; manufactured by the Exhibitors. Price from 10s.

4099—Sample of Galvanized Sheep, Rabbit, and Poultry Wire Netting ; manufactured by the Exhibitors. Price from 2d. per yard.

4100—Sample Length of Wrought-Iron Unclimbable Railing ; manufactured by the Exhibitors. Price 13s. per yard. 4 ft. high.

4101—Sample Length of Ornamental Park Railing ; manufactured by the Exhibitors. Price 17s. 6d. per yard. 4 ft. high.

4102—Galvanized Corrugated Iron Hay Shed ; manufactured by the Exhibitors. Price £70. 45 ft. long by 20 ft. wide by 14 ft. high, on 8 wrought-iron columns with bases for concrete, and wrought-iron lattice eaves beams.

4103—Galvanized Corrugated Iron Grain Store ; manufactured by the Exhibitors. Price £95. 35 ft. long by 25 ft. wide by 14 ft. high to eaves, on wrought-iron columns with bases for concrete and wrought-iron lattice eaves beams. Fitted to receive joists for an upper floor.

Stand No. 143.—*H. F. Eckert, Limited, Berlin, Germany.*

Article 4104—Iron Plough "Ruchadlo," Middle Size, marked R M S 2, with Steel Breast, Chisel-Share, Skim Coulter, and Wheel Carriage ; manufactured by the Exhibitors. Price £3 15s. Makes a broken furrow 10 in. wide, 9 in. deep. For loose and highly-cultivated soil. The self-sharpening chisel-share, invented by the late Mr. Eckert, is highly recommended for dry, hard, and stony land. Average weight 240 lbs.

4105—Iron Swing Plough "Ruchadlo," Smallest Size, marked R G 3, for One Horse, with Cast-Iron Breast ; manufactured by the Exhibitors. Price £1 13s. For sandy and gravelly soil. Furrow 9 in. wide, 7 in. deep. Average weight 103 lbs.

4106—Iron Plough "American," Largest Size, marked A S 1, with Steel Breast, Coulter and Wheel Carriage ; manufactured by the Exhibitors. Price £4 3s. Makes an inverted furrow 10 in. wide and deep. For breaking up rough land and for heavy clay soil. Average weight 266 lbs.

4107—Iron Plough "Culture," Middle Size, marked C S 2, with Coulter, Skim Coulter, and Wheel Carriage ; manufactured by the Exhibitors. Price £3 15s. For highly-cultivated soil. Furrow 9 in. wide and deep. Average weight 235 lbs. All our ploughs, "Ruchadlo," "American," and "Culture," are made in three sizes, both as swing ploughs, and with wheel carriage ; the "Ruchadlo" and "American" with or without chisel-share

4108—Light Wrought-Iron Swing Plough with Steel Breast, marked S R S 2 ; manufactured by the Exhibitors. Price £2. Makes a wide broken furrow 11 in. wide, 9 in. deep. Also with cast-iron breast. Average weight 103 lbs.

4109—Iron Subsoil Plough with Chisel and One Wheel, marked E M M P ; manufactured by the Exhibitors. Price £2 9s. The strongest instrument for subsoiling. Average weight 160 lbs.

4110—Iron Plough for Deep Culture, marked T C 1, with Steel Breast, Chisel-Share, Coulter, Skim Coulter, and Wheel Carriage ; manufactured by the Exhibitors. Price £5 7s. Furrow 11 in. wide, 15 in. deep. A beautiful implement for sugar-beet growers. Average weight 336 lbs.

4111—Iron Plough, the same as No. 4110, only for a still greater depth upwards to 18 in., marked *t c 2*; manufactured by the Exhibitors. Price £6 6s. Average weight 385 lbs.

4112—Double-Furrow Iron Plough “American,” Largest Size, marked *z a s 1*, with Cast-Steel Bodies and Steel Breasts, with Coulter and Lever; manufactured by the Exhibitors. Price £12 5s. Works 20 in. wide and 1½ to 10 in. deep. Average weight 530 lbs.

4113—Double-Furrow Iron Plough “Culture,” Middle Size, marked *z c s 2*, with Steel Breasts, Coulters and Lever; manufactured by the Exhibitors. Price £7 15s. Works 17 in. wide and 9 in. deep. Average weight 374 lbs. The double-furrow ploughs are made in two sizes; the bodies “American” and “Culture” can be applied at the same plough alternately.

4114—Three-Furrow Stubble and Seed Plough, also for General Purposes, with Steel Breasts and Lever, marked *d p 1*; manufactured by the Exhibitors. Price £7 15s. Works 2 ft. wide and 1½ to 7 in. deep. Average weight 396 lbs.

4115—Three-Furrow Stubble and Seed Plough, marked *d p 3*; manufactured by the Exhibitors. Price £4 8s. Furrow 5 in. deep. Same as Article 4114, but smaller. Average weight 211 lbs.

4116—(*New Implement.*)—Four-Furrow Paring and Seed Plough, with Wrought-Steel Breasts and Lever, for Two Horses, marked *s s r s*; manufactured by the Exhibitors. Price £6 12s. Also with cast-iron breasts. For skimming and paring grass land or stubble (that of clover and lucerne included) in small, shallow straps, also for covering the seed in the exact depth. Since 1875 over 3000 of this most useful instrument have been sold.

4117—(*New Implement.*)—Three-Furrow Stubble and Seed Plough, Extra Strong, marked *s s s*; manufactured by the Exhibitors. Price £7 15s. Average weight 385 lbs.

4118—(*New Implement.*)—Four-Furrow Seed Plough, Lighter than the Plough, Article No. 4116, with Cast-Iron Breasts, marked *v s p*; manufactured by the Exhibitors. Price £5 5s. Average weight 246 lbs.

4119—Iron Plough for the Culture of Forests, with Steel Breast and Coulter, marked *f p*; manufactured by the Exhibitors. Price £6 6s. Makes an open furrow 16 in. wide and 4 in. deep, with an even and soft sole. An extremely strong plough. Average weight 268 lbs.

4120—Ridging or Moulding Plough, with Wood Beam and Adjustable Breasts; manufactured by the Exhibitors. Price £1 5s. Average weight 57 lbs.

4121—Broadcast Sowing Machine “The Universal,” with Cross Axles, 12 Ft. Wide, marked *g p*; manufactured by the Exhibitors. Price £11 10s. The best liked broadcast sower for all kinds of corn and other seeds. Average weight 495 lbs.

4122—Broadcast Sowing Machine, with Shovel Seed Dischargers, 12 Ft. Wide, marked *z*; manufactured by the Exhibitors. Price £13 15s. For hilly countries, with cross axle. Average weight 580 lbs.

4123—Corn and Seed Drill, marked *h s*, 6 Ft. Wide, 13 Rows with Chain Steerage; manufactured by the Exhibitors. Price £29. A new system of seed discharging, for all sorts of seeds. Average weight 10 cwt.

4124—1-Horse Gear “The Bell,” marked *h*, for Four Horses; manufactured by the Exhibitors. Price £25. The “Bell” gears are less liable to breakage than any other construction. Average weight 20 cwt.

4125—(*New Implement.*)—Thrashing Machine, 5 Ft. Wide, with Shakers, marked E W; manufactured by the Exhibitors. Price £40 15s. The new “central” regulation of the mantle is worked by a lever, thus saving a great deal of time and securing greatest exactness. By the new patent cross-belt system, instead of the usual spur-wheel pinion, the machine works without any noise, and is less liable to breakages. Average weight 15 cwt.

4126—Corn and Universal Grinding Mill, after Alban’s Construction, marked D, with Horizontal Grinding Discs of Hard-Cast Iron, for Two Horses; manufactured by the Exhibitors. Price £11. Average weight 660 lbs.

4127—Machine for Sorting Potatoes, marked E M; manufactured by the Exhibitors. Price £9. Can be regulated according to the size of the potatoes. Average weight 440 lbs.

Stand No. 144.—*M. Dassonville de Saint Hubert, of Namur, Belgium.*

Article 4128—Pair of 4-Ft. French Mill-Stones, for Grain; manufactured by the Exhibitor. Price £32, delivered in London. (*For Trial.*)

4129—Pair of 4-Ft. 6-In. French Stones, for Phosphates; manufactured by the Exhibitor. Price £36, delivered in London. (*For Trial.*)

4130—Pair of 4-Ft. 6-In. Belgian Stones, for Phosphates; manufactured by the Exhibitor. Price £36, delivered in London. (*For Trial.*)

Stand No. 145.—*M. François L’Herron, of Brest, Department of Finistire, France.*

Article 4131—Agricultural Barrow; manufactured by the Exhibitor. Price 16s. The construction of this barrow is such that the load is thrown forward over the wheel by means of the hinged flap, which opens automatically by the weight of the load. Its length facilitates going up an incline or turning sharp angles. (*For Trial.*)

Stand No. 146.—*Roman Cichowski, of Linow, Ozarow, Radom, Warsaw, Russian Poland; agents in London, H. Gielgud, 65, Gracechurch Street,*

Article 4132—(*New Implement.*)—Cultivating Harrow for General Purposes, with Self-Regulating Action; manufactured by the Exhibitor. Price £10. This implement can be employed in the different operations for cultivating the soil with the necessary energy, under the control of the user, according to the peculiar circumstances of his land. It essentially differs by this peculiarity from the ordinary harrows and scarifiers, &c. (*For Trial.*)

Stand No. 147.—*Le Comte de Beaurepaire, of Grivesnes (Somme), France.*

Article 4133—(*New Implement.*)—Root Washer for Small and Medium Farms; manufactured by the Exhibitor. Price £8, on rails at Ailly-sur-Noye. Advantages of the root washer:—1st, greater power; 2nd, instant evacuation; 3rd, draining of the water off the roots; 4th, the operator need not wet his hands. The washer is quite new, and is favourably accepted for washing all kinds of beets, &c., for cattle.

Stand No. 148.—*M. Alfred Clert, of Niort (Deux Sèvres), France.*

Article 4134—Corn Screen; manufactured by the Exhibitor. Price £10 16s., on rails at Niort without packing. With double perforated sifters, for long and round grain. These sifters may be used separately or together at option, the first serving to separate the wheat from the barley and oats, and the second to remove the wheat, peas, vetches, smut, &c., and other round grains, and divides the wheat into two qualities.

4135—Corn Screen for Millers; manufactured by the Exhibitor. Price £16 to £120, according to size. Screen or separator for removing all round grain from wheat,

Stand No. 149.—*M. E. A. Chameroy, of 147, Rue d'Allemagne, Paris.*

Article 4136—Cattle-Weighing Apparatus (14 cwt.) Registering the Weight; manufactured by the Exhibitor. Price 22s. 8s.

4137—Weighing Machine for One Ton, Self-Registering, Entirely of Metal; manufactured by the Exhibitor. Price £15.

4138—6-Cwt. Self-Registering Weighing Machine, in Oak; manufactured by the Exhibitor. Price £8.

4139—Self-Registering Weighing Chair. Price £16.

Stand No. 150.—*Edward Ahlborn, Hildesheim, Hanover, Germany.*

Article 4140—Churn, Holstein Vertical No. 1, to Churn 7 Gallons; manufactured by the Exhibitor. Price £4 5s.

4141—Churn, Holstein Vertical No. 2, to Churn 11 Gallons; manufactured by the Exhibitor. Price £5 7s. 6d.

4142—Churn, Holstein Vertical, No. 3, to Churn 22 Gallons; manufactured by the Exhibitor. Price £9 7s. 6d.

4143—Churn, Holstein Vertical, No. 5, to Churn 45 Gallons; manufactured by the Exhibitor. Price £14.

4144—Churn, Holstein Vertical, No. 6, to Churn 55 Gallons; manufactured by the Exhibitor. Price £15.

4145—Churn, Holstein Vertical, No. 7, to Churn 70 Gallons; manufactured by the Exhibitor. Price £16.

4146—Ahlborn's First Prize Butter Working or Kneading Machine, No. 1; manufactured by the Exhibitor. Price £6 10s.

4147—Ahlborn's First Prize Butter Working Machine, No. 1 A ; manufactured by the Exhibitor. Price £7 15s.

4148—Ahlborn's First Prize Butter Working Machine, No. 2 ; manufactured by the Exhibitor. Price £9.

4149—(*New Implement.*)—Ahlborn's First Prize Butter Working Machine, No. 4 ; manufactured by the Exhibitor. Price £20. This machine is with double rotters, pulley, and stopping motion.

4150—(*New Implement.*)—Butter Press for Preserved Butter in Tins ; manufactured by the Exhibitor. Price £3 3s.

4151—(*New Implement.*)—Cheese Turning Machine ; manufactured by the Exhibitor. Price £4.

4152—(*New Implement.*)—Metallic Cheese Vat, with Water Heater, 70 Gallons ; manufactured by the Exhibitor. Price £20.

4153—(*New Implement.*)—Refrigerator No. 2, per Hour 90 Gallons ; manufactured by the Exhibitor. Price £3 10s.

4154—(*New Implement.*)—Refrigerator No. 3, per Hour 135 Gallons ; manufactured by the Exhibitor. Price £5.

4155—(*New Implement.*)—Refrigerator No. 4, per Hour 180 Gallons ; manufactured by the Exhibitor. Price £6 10s.

4156—(*New Implement.*)—Refrigerator No. 5, per Hour 270 Gallons ; manufactured by the Exhibitor. Price £9 10s.

4157—Assortment of Dairy Utensils, Brushes and Tins, and Instruments for Testing Milk ; manufactured by the Exhibitor.

4158—Model of a Dairy with Steam Horse-Power ; manufactured by the Exhibitor. Price £50. Complete in one-sixth of natural size, with cheese manufacture combined.

Stand No. 151.—*M. Odile Martin, of the Jardin d'Acclimatation, Paris.*

Article **4159**—(*New Implement.*)—Apparatus for Fattening Poultry, No. 4 ; manufactured and invented by the Exhibitor. Price £8 in Paris. Martin's apparatus for fattening poultry by a mechanical process.

4160—(*New Implement.*)—Apparatus for Fattening Poultry, No. No. 1 bis ; manufactured and invented by the Exhibitor. Price £7 in Paris. This apparatus is composed of a Martin's poultry fattener, and a frame for six fowls.

4161—(*New Implement.*)—Apparatus for Fattening Poultry, No. 1 ; manufactured and invented by the Exhibitor. Price £10. This apparatus is composed of a Martin's poultry fattener, and a frame for twelve fowls.

4162—(*New Implement.*)—Apparatus for Fattening Poultry, No. 3 ; manufactured and invented by the Exhibitor. Price £32 in Paris. This apparatus is composed of a Martin's poultry fattener (large size), and a revolving frame, with receptacles for sixty fowls. (*For Trial.*)

Stand No. 152.—*John Unite, of 291 and 293, Edgware Road, London, W.*

Article **4163**—Model of a Superior Quality Rick Cloth, 10 Yards Square, with Poles and Tackle complete. Price £16 10s. Rick covers from 1s. per square yard. Price lists on application.

4164—Best Flexible Tarpaulin Load of Hay Cloth, 22½ Ft. by 10 Ft. Price £2 10s. Name and address included. In black, brown, or yellow tarpaulin.

4165—Best White Canvas Load of Hay Cloth. Price £2 10s.

4166—Best Waterproof Loin Covers, Lined Wool and Strapped Complete. Price, thill 8s., trace 12s.

4167—Tilting Farm Loin Cloths with Straps Complete. Price 8s. and 10s.

4168—Sample of Best Flexible Tarpaulins. Price 2s. and 2s. 3d. per square yard. Of superior quality. In black, brown, yellow, or white for engine, machine, waggon, and cart covers. Contractors to English, Irish, French, Russian, Indian, Argentine, and Colonial Railways, contractors and shippers.

4169—Best White Anti-Friction Cart Grease. Price 18s. per cwt. In ¼ cwt. and ½ cwt. kegs. A superior article and never clogs.

4170—50 Yards Tarred Hemp Sheep Netting, 4-In. Mesh. Price £1 5s.

4171—Assortment of Durable and Improved Nose Bags. Price from 2s. to 3s.

4172—Sample of Jute Sack Ties. Price £1 10s. per cwt.

4173—Sample of Jute Thatching Cord. Price £1 10s. per cwt.

4174—Assortment of Best Woollen Horse Cloths. Price 8s. to 13s. In different patterns. Strapped Complete, and do not require rollers.

4175—Best Hemp Canvas Horse Cloth, Complete. Price 16s. 6d. and 17s. 6d. Very durable.

4176—Assortment of Kersey and Summer Suits of Horse Clothing, Complete. Price from £2 10s. Well made and finished, in different patterns.

4177—Assortment of Stable Articles of Every Description, including Brushes, Curry-combs, Sponges, Head Stalls, Clippers, Brooms, Iron Fittings, &c.

4178—Sample of Tanned Garden Netting, 2 and 4 Yards Wide. Price 1d. per square yard.

4179—36 Yards Long Best Hay Rope. Price 6s. 6d.

4180—Case of Models of Marquees, Tents, &c. As used at the Royal Agricultural and Horticultural Shows of England, Ireland and Scotland. Contractor for Canvas to The Royal Agricultural Society of England 11 years (London, 1879); The Royal Agricultural Society of Ireland; The Highland and Yorkshire Agricultural Societies; The Royal Horticultural Society of London. Medals, Vienna 1873, Paris, 1878. (*Not for Sale.*)

4181—Sample of Roofing Felt for Farm and Out Buildings, 32 In. Wide. Price 7d. per yard.

4182—Assortment of Superior Waterproof Coats, Ulsters, and Capes. Price from 15s. to 45s. New and elegant designs. Warranted waterproof.

4183—Assortment of India-Rubber Driving Aprons. Price from 12s. 6d. to 30s. In all colours and patterns; for carriages, traps, coaches, &c.

4184—Tarpaulin Driving Apron. Price from 8s. 6d. to 21s. Very durable for carts, omnibuses, &c.; as supplied to the London General Omnibus Company, the Birmingham, Cardiff, Dublin, Belgian, Belfast, and London Tramways, the Royal Mail, &c., &c.

4185—Best Flexible Tarpaulin Engine Cover, 18 Ft. by 12 Ft. Price £2 10s. All other sizes in proportion.

4186—Unite's Square Tent, without Centre Pole, 8 Ft. Square. Price £6 6s. The most useful, accommodating and durable for garden, lawn, cricket, boating, &c. Very largely used by Exhibitors.

4187—The Bathing, Boating, or Alpine Tent, 6 Ft. Square, Weight 20 lbs. Price £2 2s. If with brass socketed poles, 3s. extra. Thoroughly waterproof, durable and portable.

4188—Unite's Square Cricket or Lawn Tent, 6 Ft. by 6 Ft. Price £3 10s.; if with front doorway awning, £4 4s.; in blue, green, or red striped canvas.

4189—Unite's Emigrant Tent, 9 Ft. by 7 Ft. Price £4 4s.; 12 ft. by 7 ft. £5 5s. Very durable, portable and effective.

4190—Circular Tent with Walls, 80 Ft. Circumference, Striped Canvas. Price £7 10s.

4191—Umbrella Tent, 12 Ft. Diameter. Price from £6 6s., complete with case, and only requires a socket for fixing; very elegant and convenient.

4192—Assortment of Pocket Hammocks Complete, with Waterproof Case. Price from 10s. 6d.; for garden, camping, hospital, hotel, house, &c., a useful and cheap novelty.

4193—New Article to Cover Round Stacks. This cloth is made in sections so that it will cover a 36 ft. stack as easily as a 60 ft. stack. It requires no special fittings. Price for each section, £1 5s. each.

4194—Invincible Lawn Mower, 8 In. Price £2 10s.

4195—Invincible Lawn Mower, 12 In. Price £4 10s.

4196—6-In. Reversible Lawn Mower. Price £1 10s. The best little machine for amateurs; also for cutting borders. Thoroughly serviceable and durable.

4197—8-In. Automaton Lawn Mower, for Small Lawns. Price £2 15s.

4198—10-In. Automaton Lawn Mower, for Use by a Boy. Price £3 10s.

4199—12-In. Automaton Lawn Mower. Price £4 10s. These lawn mowers are all complete, and, like all our other goods, warranted.

4200—Pair of Flower Vases, of Elegant Design, 2 Ft. by 1 Ft. 8 In. High. Price £1 10s. each.

4201—Independent Garden Awning, with Winding Apparatus. Price £3 15s. complete.

4202—Monceaux Garden Seat, Real Oak-Stained and Varnished, 6 Ft. Long. Price £2.

4203—Invincible Garden Seat, 6 Ft. Long, Grained Oak and Varnished. Price £1 7s. 6d.

4204—Imperial Garden Seat, 6 Ft. Long, without Arms, and Painted Green. Price £1.

4205—Imperial Garden Seat, 6 Ft. Long, with Arms, Grained and Varnished. Price £1 7s.

4206—4 Ft. 6 In. Imperial Garden Seat, without Arms, Grained. Price £1 1s.

4207—6 Ft. Imperial Garden Seat, with Arms, and Painted Green, with Lines, and Varnished. Price £1 3s. 6d.

- 4208**—Easy Garden Chair, Painted Green. Price 18s.
- 4209**—Easy Garden Chair, with Awning, Grained and Varnished. Price £1 10s.
- 4210**—Strong Iron Croquet Chair, Grained and Varnished. Price 12s. 6d.
- 4211**—Smoking Chair; Elegance and Comfort Combined. Price £1 10s.
- 4212**—Assortment of Folding Tables. Price 16s. 6d. Very portable; can be adjusted either for reading, writing, or as an ordinary table.
- 4213**—American Folding Chair, made of Bent Ash. Price 7s. 6d.
- 4214**—Unite's Garden Seat, 5 Ft. 6 In. Long, with Ash Rails. Price £1 1s. Strong, durable, and cheap.
- 4215**—Oil-Cake Mill, o L; Mouth 14½ In. by 2½ In. Price £3 5s. To break 7 sizes, and wide enough for American cake.
- 4216**—Corn-Crusher, No. 4. Price £6.
- 4217**—Disc Root-Pulper, D F. Price £3 10s. With 6 knives, and cover complete.
- 4218**—Assortment of Sack Barrows. Price 10s. 6d. to 14s. 6d.
- 4219**—Chaff-Cutter, s s m, 8½ In. Rising Mouth; cuts 2 Lengths. Price £2 10s. A very serviceable and durable machine, largely sold by us, for 2 or 3 horses.
- 4220**—Chaff-Cutter, A A, 8½ In. Rising Mouth; cuts 2 Lengths. Price £3 10s.
- 4221**—Chaff-Cutter, A 4, 10½ In. Rising Mouth; cuts 3 Lengths. Price £5 5s. Very serviceable and durable, and strongly recommended to our customers, as we have sold a great many, and they give every satisfaction.
- 4222**—Paris Gold Medal, No. 1 A, Chaff-Cutter, 8½ In. by 2½ In. Mouth. Price £2 7s. 6d.
- 4223**—Paris Gold Medal Chaff-Cutter, No. 5 A; 9½ In. by 4 In. Mouth. Price £8 2s. 6d. Can be stopped, the feed reversed, or length of cut changed by one handle.
- 4224**—Japanned Blue Wrought-Iron Corn Bin, 8 Bushels. Price £2 10s. With partition; damp and vermin proof.
- 4225**—Assortment of Best English Shovels. Price from 2s. 3d.
- 4226**—American Bright-Steel Stable Forks. Price 1s. 9d. We are direct importers of these, and can only sell at this remarkably cheap price by buying largely. We have been selling them now for a long time, and they give great satisfaction.
- 4227**—Assortment of Iron Stable Fittings and Brackets, on a Show Board. Price as per price list.
- 4228**—Horse Sling Complete, and with Patent Lifting Apparatus. Price £9 10s. By this, one man can raise a horse to any desired height. As supplied to the London General Omnibus Company, the Horse Guards, noted veterinary surgeons, and others.
- 4229**—Assortment of Cordage for all Purposes. Price 8d. per lb. Special quotations for rick pulleys, ropes, builders' falls and scaffold cords, sash and blind lines, well ropes, bell ropes, &c., &c.
- 4230**—Double-Texture Mackintosh Cover, 6 Ft. by 6 Ft., Best Quality. Price 16s. For carts, vans, luggage, &c.

Stand No. 153.—*The Bristol Waggon Works Company (Limited), of Bristol.*

Article 4231—Pony Size Spring Tipping Cart; manufactured by the Exhibitors. Price £15; harvest ladders, £1 extra. A light cart mounted on springs and patent axle, body made to tip, and fitted with harvest ladders at front and back.

4232—Cob Size Spring Tipping Cart; manufactured by the Exhibitors. Price £16 10s.; harvest ladders, £1 extra. Similar to Article No. 4231, but larger.

4233—Light Spring Market Cart; manufactured by the Exhibitors. Price £16 10s. To carry half a ton; suitable for a pony.

4234—Market Cart, No. 2 Size; manufactured by the Exhibitors. Price £18 10s. Similar to Article No. 4233, but larger; to carry 15 cwt., and fitted with dash-board in front.

4235—Crank Axle Spring Cart, No. 1 Size; manufactured by the Exhibitors. Price £26; if with portable side rails, £1 10s. extra. Low on the ground, and convenient for loading. Will carry 1 ton.

4236—Crank Axle Spring Cart, No. 0 Size; manufactured by the Exhibitors. Price £22 10s.; if with portable side rails, £1 10s. extra. Similar to Article No. 4234, but lighter; to carry 15 cwt. and suitable for a cob.

4237—Light 1-horse Plank-Side Farm Cart, No. 0 B Size; manufactured by the Exhibitors. Price £14 10s.; hay ladders, £1 15s. extra. A useful farm cart with oak framing, strong plank sides, tipping sword, and 3-inch tyres. Will carry 1 ton.

4238—Strong 1-Horse Plank-Side Farm Cart, No. 1 B Size; manufactured by the Exhibitors. Price £16 15s.; hay ladders, £1 15s. extra. Similar to Article No. 4237, but larger and stronger; to carry 30 cwt. with tyres 4 in. by $\frac{1}{2}$ in.

4239—Plank-Side Farm Cart, with Upright Tipping Sword; manufactured by the Exhibitors. Price £16 5s.; hay ladders, £1 15s. extra. A similar cart to Article No. 4238, but made with upright tipping sword, wood naves, and tyres 4 in. by $\frac{1}{2}$ in.

4240—Bedford Pattern Farm Cart, No. 1 Size; manufactured by the Exhibitors. Price £17 10s.; hay ladders, £1 15s. extra. Strong cart, to carry 30 cwt., flat projecting naves at sides and front, wood naves, and 4-in. tyres.

4241—Middlesex Hay Cart; manufactured by the Exhibitors. Price £17; patent axle and brass oil caps, £1; hay frame, £4 extra. Commodious and useful cart with oak frame; wheels 5 ft. high, body made to tip, and fitted with hay frame at front, sides, and back.

4242—Crank-Axle Cattle Cart; manufactured by the Exhibitors. Price £32 10s. Strongly made and mounted on springs, shafts to use at either end, each end being made to let down. Portable top.

4243—London Pattern Cart; manufactured by the Exhibitors. Price £18 10s. A strong cart with oak framing, body made to tip; will carry 30 cwt.; tyres 3 in. by $\frac{1}{2}$ in.; patent axle and brass oil caps.

4244—London Pattern Cart; manufactured by the Exhibitors. Price £22. To carry 15 cwt.

4245—1-Horse Plank-Side Cart; manufactured by the Exhibitors. Price £21. A strong cart, body made to tip, fitted with portable top side boards. Mounted on springs and patent axle; will carry 30 cwt.; tyres 3 in. by $\frac{1}{2}$ in.

4246—1-Horse Plank-Side Cart; manufactured by the Exhibitors. Price £16 5s. Similar to Article No. 4245, but without springs; wood naves to wheels; to carry 30 cwt.

4247—Light Covered Cart; manufactured by the Exhibitors. Price £26 10s. Mounted on springs and patent axle; to carry 7 cwt.

4248—1-Horse Cart; manufactured by the Exhibitors. Price £19 10s. A cart with deep sides and mounted on springs and patent axle.

4249—Registered Self-Opening Cart; manufactured by the Exhibitors. Price £40. A strong cart on crank-axle, and so arranged that the tail-board is self-opening and self-closing, when the cart is being tipped.

4250—(*New Implement.*)—Patent Balancing Water-Cart; manufactured by the Exhibitors. Price £33. For watering streets and roads; also adapted for the distribution of liquid manure; the body is of wrought iron, mounted on springs and patent axle; will hold 250 gallons, and is so arranged that the cart can be kept at a perfect balance in going up or down hill.

4251—(*New Implement.*)—Patent Water Van; manufactured by the Exhibitors. Price £50. For watering streets and roads; also adapted for the distribution of liquid manure; the body is of wrought iron, and will hold 400 gallons; mounted on four wheels, springs and patent axle.

4252—Light Spring Dog Cart; manufactured by the Exhibitors. Price £30. With cushions and lamps complete.

4253—Light Croydon Cart; manufactured by the Exhibitors. Price £24. In varnished wood.

4254—Bristol Tax Cart; manufactured by the Exhibitors. Price £21. In varnished wood.

4255—Farm Waggon, No. 2 Size; manufactured by the Exhibitors. Price £35 10s; hay ladders, £1 10s. extra. With oak frame and elm boards; front wheels made to turn under. Will carry 2½ tons. With 3-in. tyres and wood naves.

4256—Plank-Side Farm Waggon, No. 3 Size; manufactured by the Exhibitors. Price £40; hay ladders, £1 10s. extra. Strong waggon, with oak frame; front wheels made to turn under; will carry 3 tons; 4-in. tyres and wood naves.

4257—Strong 2-Horse Waggon; manufactured by the Exhibitors. Price £53. To carry 3 tons; mounted on springs and patent axles, and body made with iron side rails, double shafts and seat for driver.

4258—Light 2-Horse Trolly; manufactured by the Exhibitors. Price £40. To carry 2 tons; mounted on springs and patent axles; fitted with driver's seat and break.

4259—Market Gardener's Waggon; manufactured by the Exhibitors. Price £60. Strong waggon to carry 4 tons; mounted on springs and patent axles, and fitted with portable copses.

4260—Strong 2-Horse Waggon; manufactured by the Exhibitors. Price £47 10s. To carry 2½ tons; mounted on springs and patent axles, fitted with double shafts and driver's seat.

4261—Light 1-Horse Waggon; manufactured by the Exhibitors. Price £36. To carry 1 ton; mounted on springs and patent axle.

4262—London Pattern Waggon; manufactured by the Exhibitors. Price £45. To carry 2 tons; fitted with springs and patent axles, shafts and pole, and driver's seat.

4263—Trolly; manufactured by the Exhibitors. Price £34. To carry 2½ tons; portable front, name board.

4264—(*New Implement.*)—Patent Manure and Seed Distributor Hand Power; invented by Wheaton & Besley, of Exeter; improved and manufactured by the Exhibitors. Price £4 4s. Machine specially constructed to distribute either artificial manures or seeds of any description; simple in construction and efficient in working; covers a width of 9 ft.

4265—(*New Implement.*)—Patent Manure and Seed Distributor, Horse Power; manufactured by the Exhibitors. Price £8 8s. Similar to Article No. 4264, but for horse power; covers a width of 7 ft.

4266—(*New Implement.*)—Patent Manure and Seed Distributor, Horse Power; manufactured by the Exhibitors. Price £11 11s. Similar to Article No. 4265, but covers a width of 12 ft. ?

4267—Grass Seed Distributor; manufactured by the Exhibitors. Price £3 10s. Seed box, 12 ft. long.

4268—Steel-Tooth American Horse-Rake, No. 3 Size; manufactured by the Exhibitors. Price £4 5s. 9 ft. 6 in. long; 23 teeth.

4269—American Horse-Rake in Wood, No. 5 Size; manufactured by the Exhibitors. Price £2. 9 ft. 6 in. long; 15 teeth.

Stand No. 154.—*William Ball and Son, of Rothwell, Kettering, Northamptonshire.*

Article 4270—Bedford Royal Prize Waggon, for General Purposes, with 4½-In. Wheels; manufactured by the Exhibitors. Price £44. Awarded the First Prize of £10 at Bedford, 1874, besides many first prizes and medals.

4271—Bedford Royal Prize Waggon, with 4-In. Wheels; manufactured by the Exhibitors. Price £42.

4272—Bedford Royal Prize Waggon, with 8-In. Wheels; manufactured by the Exhibitors. Price £40. Awarded the Prize of £10 at Bedford, 1874.

4273—Bedford Royal Prize Waggon, with 2½ Tire and Single Shaft; manufactured by the Exhibitors. Price £36.

4274—General Purpose Spring Waggon; manufactured by the Exhibitors. Price £50. Awarded the Prize of £5 at Bedford, 1874, and Medal at Paris, 1878.

4275—Improved Surrey for General Purposes; manufactured by the Exhibitors. Price £87.

4276—Bedford Royal Prize Cart, with 4-In. Wheels and Single Tip; manufactured by the Exhibitors. Price £17 10s. Awarded the First Prize of £10 at Bedford, 1874, and nearly one hundred first prizes and medals.

4277—Bedford Royal Prize Cart, with 4-In. Wheels and Double Tip; manufactured by the Exhibitors. Price £18.

4278—Bedford Royal Prize Cart, with 4½-In. Wheels and Single Tip; manufactured by the Exhibitors. Price £18.

4279—Bedford Royal Prize Cart, with 4½-In. Wheels and Double Tip; manufactured by the Exhibitors. Price £18 10s.

4280—Bedford Royal Prize Cart, with 4-In. Wheels; no Ladders; manufactured by the Exhibitors. Price £15 10s.

4281—Bedford Royal Prize Cart, with 4½-In. Wheels; no Ladders; manufactured by the Exhibitors. Price £16.

4282—Light Manchester Royal Prize Cart, with $2\frac{1}{2}$ -In. Wheels; manufactured by the Exhibitors. Price £16.

4283—Strong Manchester Prize Cart, with $2\frac{3}{4}$ -In. Wheels; manufactured by the Exhibitors. Price £16 10s.

4284—Light Bedford Prize Cart, with 3-In. Wheels; manufactured by the Exhibitors. Price £16 10s.

4285—Royal Prize Cart, with Patent Arms and Gearing; manufactured by the Exhibitors. Price £19. Was awarded Prize Medal at the Paris Exhibition, 1878.

4286—London Hay Cart; manufactured by the Exhibitors. Price £24.

4287—General Purpose Cart, No. 1; manufactured by the Exhibitors. Price £13 10s.

4288—General Purpose Cart, No. 2; manufactured by the Exhibitors. Price £14 10s.

4289—General Purpose Cart, No. 3; manufactured by the Exhibitors. Price £15 10s.

4290—General Purpose Cart, No. 4; manufactured by the Exhibitors. Price £16.

4291—General Purpose Cart, No. 5; manufactured by the Exhibitors. Price £17.

4292—General Purpose Cart, No. 6, with Patent Arms; manufactured by the Exhibitors. Price £19.

4293—Improved Crank Axle Cart, suitable for Carrying Sheep, Calves, Pigs, &c.; manufactured by the Exhibitors. Price £26. Was awarded the First Prize of £10 at the R. A. S. E. at Bedford, 1874.

4294—Improved Crank Axle Cart, Extra Strong; manufactured by the Exhibitors. Price £34.

4295—Strong Market Cart; manufactured by the Exhibitors. Price £20.

4296—Light Market Cart, with Cushions and Lamp Complete; manufactured by the Exhibitors. Price £25.

4297—Royal Prize Plough, marked B C, No. 4; manufactured by the Exhibitors. Price £3 10s.

4298—Royal Prize Plough, marked B C, No. 4, with Skim Coulter; manufactured by the Exhibitors. Price £3 16s. 6d.

4299—Royal Prize Plough, marked B C, No. 5; manufactured by the Exhibitors. Price £4 10s. Was awarded the R. A. S. E. Prize of £5 at Hull, 1873.

4300—Royal Prize Plough, marked B C, No. 5, with Skim Coulter; manufactured by the Exhibitors. Price £4 16s. 6d.

4301—Royal Prize Plough, marked B C, No. 6; manufactured by the Exhibitors. Price £4 17s. 6d.

4302—Royal Prize Plough, marked B C, No. 6, with Skim Coulter; manufactured by the Exhibitors. Price £5 4s.

4303—Combined General Purpose Plough and Subsoiler; manufactured by the Exhibitors. Price £7. Was awarded the First Prize of £5 at the R. A. S. E. at Hull, 1873.

4304—Royal Prize Plough, marked B C, No. 9, with Skim Coulter; manufactured by the Exhibitors. Price £5 9s. The only plough that has taken a First Class Medal at each of the three great Exhibitions, viz., England, Ireland, and France, and many Royal Prizes.

4305—Royal Prize Plough, marked B C, No. 10, for Strong Land ; manufactured by the Exhibitors. Price £5 14s.

4306—Royal Prize Plough for Heavy Land, with Skim Coulter ; manufactured by the Exhibitors. Price £7 6s. 6d.

4307—Royal Prize Plough, marked B C, 0 A, for Light Land ; manufactured by the Exhibitors. Price £3 12s. 6d.

4308—Royal Prize Plough, marked B C, 0 A, with Skim Coulter ; manufactured by the Exhibitors. Price £3 19s.

4309—Royal Prize Plough, marked B C, 1 A ; manufactured by the Exhibitors. Price £4 12s. 6d. Awarded Prize Medal at the Paris Exhibition, 1878.

4310—Royal Prize Plough, marked B C, 1 A, with Skim Coulter ; manufactured by the Exhibitors. Price £4 19s.

4311—Royal Prize Plough, marked B C, 2 A ; manufactured by the Exhibitors. Price £5.

4312—Royal Prize Plough, marked B C, 2 A ; manufactured by the Exhibitors. Price £5 6s. 6d.

4313—Royal Prize Plough, marked B C, 3 A ; manufactured by the Exhibitors. Price £5 5s. Was awarded a Medal at the Paris Exhibition, 1878.

4314—Royal Prize Plough, marked B C, 3 A ; manufactured by the Exhibitors. Price £5 11s. 6d.

4315—Royal Prize Plough, marked B C, 4 A, Complete ; manufactured by the Exhibitors. Price £6 5s. Was awarded the First Prize at the R. A. S. E. show, Hull, 1873.

4316—Improved Ridging Plough, with Marker ; manufactured by the Exhibitors. Price £4 17s. 6d. Awarded the First and only Prize at the R. A. S. E. Show, at Hull, 1873.

4317—Improved Double-Furrow Plough, marked B C, 3 D ; manufactured by the Exhibitors. Price £8 15s.

4318—Improved Double-Furrow Plough, marked B C, 3 D, with Skim Coulter ; manufactured by the Exhibitors. Price £9 10s.

4319—Improved Double-Furrow Plough, marked B C, 4 D ; manufactured by the Exhibitors. Price £9 7s. 6d.

4320—Improved Double Plough, marked B C, 4 D, with Skim coulter ; manufactured by the Exhibitors. Price £10 1s.

4321—Improved Double-Furrow Plough, marked B C, No. 5, for Heavy Land ; manufactured by the Exhibitors. Price £9 15s.

4322—Improved Three-Furrow Plough for Light Land ; manufactured by the Exhibitors. Price £11 10s.

4323—Royal Prize Scarifier, 5 Tines ; manufactured by the Exhibitors. Price £6 15s.

4324—Royal Prize Scarifier, 7 Tines ; manufactured by the Exhibitors. Price £8 10s.

4325—Set of Diagonal Seed Harrows, No. 1, to Cover 8 Ft. 3 In. ; manufactured by the Exhibitors. Price £3 15s.

4326—Set of Diagonal Seed Harrows, No. 2, to Cover 9 Ft. 8 In. ; manufactured by the Exhibitors. Price £4 5s.

4327—Set of Improved Chain Harrows, 7 Ft. 6 In. by 7 Ft. 6 In. ; manufactured by the Exhibitors. Price £3.

4328—Improved Horse Hoe with Lever, Complete, for 3 Rows of Roots; manufactured by the Exhibitors. Price £8 17s. 6d.

4329—Royal Prize Scarifier, 9 Tines; manufactured by the Exhibitors. The Prize of £5 at the R. A. S. E. show, Hull, 1873.

4330—Pair of Improved Drag Harrows, No. 1, 40 Teeth; manufactured by the Exhibitors. Price £5 10s.

4331—Pair of Improved Drag Harrows, No. 2, 30 Teeth; manufactured by the Exhibitors. Price £5 10s.

4332—Single Drag Harrow to Cover 5 Ft.; manufactured by the Exhibitors. Price £4.

4333—Improved Swing Steerage Horse Hoe; manufactured by the Exhibitors. Price £3 2s. 6d.

4334—Improved Single-Wheel Horse Hoe; manufactured by the Exhibitors. Price £2 17s. 6d.

4335—Improved Bottle Jack, No. 2; manufactured by the Exhibitors. Price £1 7s. 6d.

4336—Improved Bottle Jack, No. 3; manufactured by the Exhibitors. Price £1 12s. 6d.

4337—Improved Bottle Jack, No. 4; manufactured by the Exhibitors. Price £1 15s.

Stand No. 155.—*Edmund Bulled, of Witheridge, Devonshire.*

Article 4338—2 or 3-Horse Waggon; invented, improved, and manufactured by the Exhibitor. Price £32 10s. This waggon will turn in its own length, and is compact and durable; to carry 3 to 4 tons.

4339—2-Horse Waggon; invented, improved, and manufactured by the Exhibitor. Price £29. Constructed on the same principle as Article No. 4338, but lighter; to carry 2½ tons.

4340—1-Horse Waggon; invented, improved, and manufactured by the Exhibitor. Price £20. Manufactured on the same principle as Articles Nos. 4338 and 4339, but much lighter; to carry 30 cwt.

Stand No. 156.—*Frank P. Milford, of the Haldon Works, Kenn, Exeter, Devonshire.*

Article 4341—Light First Prize Waggon, for Agricultural, Farm, and General Purposes; manufactured by the Exhibitor. Price £25. Fitted with harvest ladders and drag chains complete; of the best materials; to carry 30 cwt.

4342—Improved First Prize 2 or 3-Horse Waggon; manufactured by the Exhibitor. Price £32 10s. Similar in construction to Article No. 4341, but larger, and fitted with double shafts and harvest ladders; to carry 3 tons; 3-in. by ½-in. tires.

4343—First Prize 4-Horse Waggon for General Farm, Road, and Harvest Purposes; manufactured by the Exhibitor. Price £38 10s. Fitted with double shafts and corn and hay ladders; to carry 4 tons.

4344—First Prize Lorrie, for Conveying Stock, Implements, and for Harvest and General Purposes; manufactured by the Exhibitor. Price £26 10s. complete. Fitted with harvest ladders, side ladders for stock, and with manure boards; very broad and roomy, and the most convenient article in use on the farm and road. Awarded the First and only Prize of £10 by the R. A. S. E. at the last trials.

4345—First Prize 1 or 2-Horse Cart for General Purposes; manufactured by the Exhibitor. Price £18. Fitted with harvest ladders complete. Awarded the First and only Prize of £10 by the R. A. S. E. at the last trials as the best cart for general purposes.

4346—Improved Market Cart, suitable for Conveying Meat, Poultry, &c.; manufactured by the Exhibitor. Price £26 10s. A thorough, well-made article, painted carriage style, patent axles, side and back springs equal to 1 ton; a rare and convenient cart for a butcher, farmer, provision merchant, baker, &c. Is fitted with a low cover to protect the goods.

4347—Improved Cart and Carriage Lifting Jack; manufactured by the Exhibitor. Price 17s. 6d.

Stand No. 157.—*Messrs. J. and J. T. Kiddle, of Birdbush Waggon Works, Donhead St. Mary, Salisbury, Wiltshire.*

Article 4348—2-Horse Boat Waggon; manufactured by the Exhibitors. Price £26. Royal Agricultural Society's Prize Waggon, especially adapted for every purpose on the farm, with slanting sides over the wheels; head and tail ladders. It requires no line, which is a great saving of time in the harvest field.

4349—3-Horse Boat Waggon; manufactured by the Exhibitors. Price £28. Similar to Article No. 4348. Made with 3½ or 4-in. tires on wheels to prevent cutting in on soft land or water-meadows.

4350—4-Horse Gloucestershire Waggon; manufactured by the Exhibitors. Price £32. A strong and convenient waggon for farm and road work; it has wide rave-boards expanding over the wheels, giving ease in loading and preventing waste of corn at harvest time.

4351—Straight Rave Dorsetshire Waggon; manufactured by the Exhibitors. Price £28. A useful and convenient waggon, adapted for road and farm work, fitted with harvest ladders, and easy of draught. This waggon can be fitted with springs, if required.

4352—Strong West of England Farm Cart. Price £12 10s. A useful farm rave cart, with oak framework, and a tipping sword for delivering manure in small heaps.

4353—Cranked Axle Spring Cart. Price £20. Especially adapted for brewers, or dairymen for taking milk to the stations.

Stand No. 158.—*John Dobbing, of Fighting Cocks, near Darlington, Durham.*

Article 4354—Patent 1-Horse Cart, with 3-In. Trod on Wheels; manufactured by the Exhibitor. Price £16 10s. The framework of cart is made of wrought iron. The wheels, axle, and horns are made of steel, excepting spokes, which are made of tube, with iron tyre, and india-rubber block is fixed between the axle and cart, which takes the jar off both cart and horse.

4355—Pair of Patent Wheels and Axle with 24-In. Trod; manufactured by the Exhibitor. Price £9. These wheels are 4 ft. 9 in. diameter, and are made for road work or for export.

4356—Pair of Patent Wheels and Axle with 1½-In. Trod; manufactured by the Exhibitor. Price £6 10s. These wheels are 4 ft. 8 in. diameter, and are made for vehicles on springs.

Stand No. 159.—*J. Bernard, of 7, Pockock Street, Blackfriars Road, London, S.E.*

Article 4357—(*New Implement.*)—Patent Improved Automatic Cart; manufactured by the Exhibitor. Price £14.

4358—(*New Implement.*)—Patent Improved Automatic Cart, with Patent Wheels; manufactured by the Exhibitor. Price £16.

4359—(*New Implement.*)—Patent Improved Cart, with Patent Axles; manufactured by the Exhibitor. Price £17.

4360—(*New Implement.*)—Patent Cart, with Patent Steel Tyres; manufactured by the Exhibitor. Price £16.

4361—(*New Implement.*)—Patent Automatic Cart, with Patent Steel Tyres, Wheels and Axles; manufactured by the Exhibitor. Price £16 10s.

4362—(*New Implement.*)—Patent Improved Adjustable Cart; manufactured by the Exhibitor. Price £17.

4363—(*New Implement.*)—Patent Balance Cart, with Patent Tail-Board; manufactured by the Exhibitor. Price £19.

4364—New Patent Wheels, with Improved Tyres; manufactured by the Exhibitor. Price £5.

4365—New Patent Wheels, with Improved Patent Axle and Tyres Complete; manufactured by the Exhibitor. Price £6.

4366—New Patent Axle; manufactured by the Exhibitor. Price £1 10s.

4367—New Patent Steel Tyre; manufactured by the Exhibitor. Price £1 10s.

4368—Pair of Patent Improved Wheels, with Steel Tyres and Axles; manufactured by the Exhibitor. Price £8.

Stand No. 160.—*George Henry Hill, of 16, Powis Street, Woolwich, Kent.*

4369—West Kent Dairy Cart; manufactured by the Exhibitor. Price £26 5s., without churns.

4370—Milk Van for Station Work; manufactured by the Exhibitor. Price £42, without churns.

4371—Milk Perambulator; manufactured by the Exhibitor. Price £7 10s.

Stand No. 161.—*Bolling and Lowe, of 2, Laurence Pountney Hill, London, E.C.*

4372—Light Portable Farm and Agricultural District Railway; manufactured by the Exhibitors. Price 3s. 6d. per yard of railway. Composed of steel rails weighing 11 lbs. per yard, and steel sleepers, complete, and ready for laying down.

4373—Switch and Crossing for Passing from One Line to Another; manufactured by the Exhibitors. Price £2 15s. each.

4374—Cast-Iron Self-Contained Turntable, 3 Ft. Diameter, with Cross Road and Double Catches; manufactured for the Exhibitors by G. R. Turner, of Langley Mill. Price £4 10s.

4375—All-Round Tipping Waggon with Body of Steel Plates and Cast-Iron Frame; manufactured by G. R. Turner. Price £6 10s. Capacity, 9½ cubic feet.

4376—Platform Waggon with Wood Frame, Size of Platform, 3 Ft. by 2 Ft. 4 In.; manufactured by G. R. Turner. Price £3 6s.

4377—General Purpose Waggon with Fall-Down Door, Steel Body, and Wrought-Iron Frame; manufactured by G. R. Turner. Price £7 10s. Capacity, 13 cubic feet. The body is attached to the frame by bolts, which can easily be removed.

4378—Galvanized Iron Basket with Removable Handles, for Carrying Agricultural Produce. Price 13s. 6d. each. This basket fits on to the frame of waggon described above.

4379—Platform Waggon Fitted with Iron Crate for Carrying Hay, Straw, &c.; manufactured by G. R. Turner. Price £5 2s. 6d. each. Crate, 4½ feet long by 3 feet wide.

4380—Side-Tipping Waggon with Wood Frame and Wood Body; manufactured by G. R. Turner. Price £5. Capacity, 10 cubic feet.

4381—General Purpose Waggon of Same Construction as the Last Described, but without the Tipping Arrangement; manufactured by G. R. Turner. Price £4 10s.

4382—Bogie Waggon with Long Frame for Carrying Bunks of Timber, Long Sugar Cane, &c., with Removable Tubular Supports; manufactured by G. R. Turner. Price £9 5s.

Stand No. 162.—*Joseph Richards and Co., of Spring Hill Coach Ironworks, Birmingham.*

4383—Collection of Patterns of Carriage, Cart, and Waggon Axles; manufactured by the Exhibitors. Price from 12s. to £10 each.

4384—Collection of Patterns of Carriage, Cart, and Waggon Springs; manufactured by the Exhibitors. Price from 3½d. to 9d. per lb.

4385—Collection of Patterns of Carriage, Cart, and Waggon Ironwork; manufactured by the Exhibitors. Price from 2s. to 140s. each.

4386—Collection of Patterns of Carriage, Cart, and Waggon Bolts and Nuts; manufactured by the Exhibitors. Price from 5s. to 60s. per gross, and from 20s. to 60s. per cwt.

4387—Collection of Carriage, Cart, and Waggon Jacks; manufactured by the Exhibitors. Price from 10s. to 60s. each.

4388—Collection of Patterns of Carriage Lamps and Handles; manufactured by the Exhibitors. Price from 8s. to 60s. per pair.

4389—Collection of Patterns of Carriage Beadings and Mouldings; manufactured by the Exhibitors. Price from 2s. to 40s. per dozen feet.

Stand No. 163.—*Conner and Co., of Phoenix Works, Millwall, E., and 11, Queen Victoria Street, E.C.*

4390—Specimens of Wood Treated with Carbolic Acid, and for Certain Purposes with Crude Creosote also, by Blythe's Process; applicable to railway sleepers and waggons, ship building and marine work, hop poles and park fencing; every description of construction, joinery, or cabinet work. (*Not for Sale.*)

Stand No. 164.—*William Marshall, of Upton Pyne Wagon Works, Exeter, Devon.*

Article 4391—(*New Implement.*)—Prize Plank-Side, Three- or Four-Horse Waggon; manufactured by the Exhibitor. Price £37 10s. This is a very strongly built waggon, made with double shafts and brake to put on a heavy press on the hind wheels; it has ladders for carrying hay or corn, and is well adapted for any farm or road work; made to carry 4 tons.

4392—(*New Implement.*)—Prize Plank-Side Two- or Three-Horse Waggon; manufactured by the Exhibitor. Price £30. This is a strongly built waggon, made with single shafts and drag chains; it has corn or hay ladders, and is made to lock under the body; made to carry 3 tons.

4393—(*New Implement.*)—One- or Two-Horse Cart; manufactured by the Exhibitor. Price £17 10s. This is a strongly built cart, suitable for farm or road work; it has plank sides and oak frame, also tipping bar for throwing the load in different heaps when required, and harvest ladders; wheels 4 ft. 6 in. high, tire 4 in. by $\frac{1}{2}$ in. thick.

4394—(*New Implement.*)—Strongly Built Cart for One or Two Horses; manufactured by the Exhibitor. Price £18 10s. A strongly built cart suitable for builders or any heavy work; wheels 4 ft. 6 in. by 4 in. wide; made to carry 2 tons.

Stand No. 165.—*John Smart Stone, of Dock Street Works, Newport, Monmouth.*

Article 4395—Agricultural Waggon to Carry 4 Tons; manufactured by the Exhibitor. Price £41 10s. Is fitted with harvest shelvings, patent drabble axles, drag chains and shoe. Wheels 4 in. wide.

4396—Light Agricultural Spring Waggon for Carrying Corn in Sacks; manufactured by the Exhibitor. Price £40. Is fitted with patent drabble axles; wheels, 2 $\frac{1}{2}$ in. wide; to carry 50 cwt.

4397—Agricultural Cart to Carry 40 Cwt.; manufactured by the Exhibitor. Price £18. Is fitted with shelvings for carrying hay. Wheels 4 in. wide.

4398—Agricultural Cart to Carry 40 Cwt.; manufactured by the Exhibitor. Price £17. Wheels 4 in. wide.

4399—Agricultural Cart for Carrying Corn in Sacks; manufactured by the Exhibitor. Price £24 10s. Is fitted with 3 springs and patent mail axle; wheels 2 $\frac{1}{2}$ in. wide; to carry 30 cwt.

4400—Cranked Axle Cart to Carry 30 Cwt.; manufactured by the Exhibitor. Price £28 10s. Is fitted with patent mail axle and springs. Wheels 2 $\frac{1}{2}$ in. wide.

Stand No. 166.—*George Ball, of North Kilworth, Rugby, Leicester.*

Article 4401—General Purpose Waggon with 4-In. Wheels; manufactured by the Exhibitor. Price £41 10s.

4402—General Purpose Spring Waggon, with 3-In. Wheels and Double Shafts; manufactured by the Exhibitor. Price £46.

4403—1-Horse Trolly for Coal Work; manufactured by the Exhibitor. Price £28.

4404—Light Crank Axle Cart on Springs for General Work; manufactured by the Exhibitor. Price £23.

4405—Improved One- or Two-Horse Cart, 4½-In. Wheels, Double Tip Bar; manufactured by the Exhibitor. Price £18.

4406—Improved General Purpose Cart, 4-In. Wheels, Loose Boards; manufactured by the Exhibitor. Price £17 10s.

4407—Improved One- or Two-Horse Cart for Coal or Contractor's Work, with Patent Axles; manufactured by the Exhibitor. Price £19.

4408—Improved Light Cart for General Work, 3½-In. Wheels and Harvest Ratches; manufactured by the Exhibitor. Price £16.

4409—Light Cart for Pony, 2½-In. Tire; manufactured by the Exhibitor. Price £12.

Stand No. 167.—*William Clemens Abell and Co., of Worcester Waggon Works, Worcester.*

Article 4410—Pair of Railway Waggon Wheels; manufactured by the Exhibitors. Price £7. For 8-ton waggon, fitted with steel axle and tyres.

4411—Railway Waggon Wheel.Axle; manufactured by Charles Cammell & Co., of Sheffield. Price £2 17s. 6d. Best steel, turned and fitted.

4412—Wheel Tyre; manufactured by the Exhibitors. Price 15s. per cwt. Patent weldless tyre of best steel.

4413—Axle-Box; manufactured by the Exhibitors. Price 10s. 6d. For 8-ton waggon; fitted with spring-hinged lid without loose bottom keep.

4414—Axle-Box; manufactured by the Exhibitors. Price 11s. 6d. For 10-ton waggon; fitted with spring-hinged lid and bottom keep.

4415—Axle-Box; manufactured by the Exhibitors. Price 9s. 6d. For 8-ton waggon; fitted with spring-hinged lid and improved bottom keep.

4416—Pair of Railway Waggon Springs; manufactured by the Exhibitors. Price 16s. per cwt. For goods waggons; made of best English spring steel, fitted with bands.

4417—Pair of Van Springs; manufactured by the Exhibitors. Price £1 per cwt. For coal vans; made of best English spring steel.

4418—Van on Cart-Wheel; manufactured by the Exhibitors. Price £7 10s. Pair of wheels for coal van or cart.

4419—Railway Waggon Buffer; manufactured by the Exhibitors. Price £2 5s. Wrought buffer and cylinder, with best spiral spring.

4420—Barrow Wheel; manufactured by the Exhibitors. Price 6s. 6d. each. Improved barrow wheel, being solid except tyre, which is so constructed it cannot leave the spokes.

4421—India-Rubber Spring; manufactured by the Exhibitors. Price 2s. per lb. India-rubber washers for draw-bars and springs.

4422—Bolts for Railway Waggons, with Square and Cup Heads; manufactured by the Exhibitors. Price 16s. 6d. per cwt.

4423—Coach Screws, $\frac{1}{2}$ In., $\frac{5}{8}$ In., and $\frac{3}{4}$ In.; manufactured by the Exhibitors. Price £1 4s. per cwt.

4424—Nails, Wrought, with Counter Sunk Heads; manufactured by the Exhibitors. Price £1 8s. per cwt.

4425—Cut Nails, 2 In., 3 In., 4 In., and 5 In.; manufactured by Hadley Brothers, of Birmingham. Price 15s. per cwt.

4426—Brass Bearings; manufactured by the Exhibitors. Price 1s. 6d. per lb. Eight best brass gun-metal bearings for shafting.

4427—Iron Work for Railway Waggon; manufactured by the Exhibitors. Price 19s. per cwt. A set of improved iron work for 8-ton coal waggon.

4428—Lifting Jack; manufactured by the Exhibitors. Price £4. Jack for lifting railway waggon, being light yet strong.

4429—Gate; manufactured by the Exhibitors. Price 18s. Field gate 11 ft. long, manufactured out of the best English oak.

4430—Field Gate, 10 Ft. Long; manufactured by the Exhibitors. Price 16s. 6d.

4431—Brass Bearings for Railway Waggon; manufactured by the Exhibitors. Price 1s. 3d. per lb. Ten best brass bearings for railway waggons.

Stand No. 168.—*The Kirkstall Forge Co., of Kirkstall Forge, Leeds, Yorkshire.*

Article 4432—(*New Implement.*)—Patent Rolled Shaft, 7 In. Diameter, 15 Ft. Long; manufactured by the Exhibitors. Price £19 per ton, or £1 2s. per foot for 15 ft. and under, in iron. Is rolled by patent process of the Exhibitors, and is thus produced so round, true, and straight, as to equal any ordinary turned shafting, and is at the same time increased 20 per cent. in elastic torsional strength over the ordinary rolled iron in the rough.

4433—(*New Implement.*)—Patent Rolled Shaft, 6 In. Diameter, 20 Ft. Long; manufactured by the Exhibitors. Price £17 per ton, or 14s. 6d. per foot for 17 ft. and under, in iron. Description as above.

4434—(*New Implement.*)—Patent Rolled Shaft, 5½ In. Diam., 20 Ft. Long; manufactured by the Exhibitors. Price £16 per ton, or 11s. 6d. per foot for 17 ft. and under, in iron. Description as above.

4435—(*New Implement.*)—Patent Rolled Shaft, 5 In. Diameter, 20 Ft. Long; manufactured by the Exhibitors. Price £15 per ton, or 8s. 9d. per foot for 20 ft. and under, in iron. Description as above.

4436—(*New Implement.*)—Patent Rolled Shaft, 4½ In. Diameter, 20 Ft. Long; manufactured by the Exhibitors. Price £14 10s. per ton, or 6s. 9d. per foot for 20 ft. and under, in iron. Description as above.

4437—(*New Implement.*)—Patent Rolled Shaft, 4 In. Diameter, 20 Ft. Long; manufactured by the Exhibitors. Price £13 10s. per ton, or 5s. per foot for 20 ft. and under, in iron. Description as above.

4438—(*New Implement.*)—Patent Rolled Shaft, 3½ In. Diameter, 20 Ft. Long; manufactured by the Exhibitors. Price, in iron, £13 per ton, or 3s. 9d. per foot for 20 ft. and under; in steel, £16 10s. per ton, or 4s. 9d. per foot for 20 ft. and under. Description as above.

4439—(*New Implement.*)—Patent Rolled Shaft, 3 In. Diameter, 20 Ft. Long; manufactured by the Exhibitors. Price, in iron, £12 10s. per ton, or 2s. 9d. per foot for 20 ft. and under; in steel, £16 10s. per ton, or 3s. 6d. per foot for 20 ft. and under. Description as above.

4440—(*New Implement.*)—Patent Rolled Shaft, 2½ In. Diameter, 20 Ft. Long; manufactured by the Exhibitors. Price, in iron, £12 10s. per ton, or 1s. 9d. per foot, for 20 ft. and under; in steel, £16 10s. per ton, or 2s. 6d. per foot, for 20 ft. and under. Description as above.

4441—(*New Implement.*)—Patent Rolled Shaft, 2¼ In. Diameter, 20 Ft. Long; manufactured by the Exhibitors. Price, in iron, £12 10s. per ton, or 1s. 6d. per foot, for 20 ft. and under; in steel, £16 10s. per ton, or 2s. per foot, for 20 ft. and under. Description as above.

4442—(*New Implement.*)—Patent Rolled Shaft, 2 In. Diameter, 20 Ft. Long; manufactured by the Exhibitors. Price, in iron, £12 10s. per ton, or 1s. 3d. per foot, for 20 ft. and under; in steel, £16 10s. per ton, or 1s. 6d. per foot, for 20 ft. and under. Description as above.

4443—(*New Implement.*)—Two Patent Rolled Shafts, one 2¼ In. Diameter, and one 2½ In. Diameter; manufactured by the Exhibitors. Price and description as above. These shafts are laid one on the top of the other, to show their evenness and regularity.

4444—(*New Implement.*)—Patent Rolled Shaft, 3 In. Diameter; manufactured by the Exhibitors. Price and description as above. This shaft is fitted with a brass muff gauge to slide from end to end, showing its evenness and regularity.

4445—(*New Implement.*)—Assortment of Patent Rolled Shafts and Spindles; manufactured by the Exhibitors. Price and particulars as above. These shafts and spindles are of various sizes and lengths, such as are in actual use in various agricultural implements and other machines. For further particulars of this shafting see detailed circulars.

4446—(*New Implement.*)—Butler's Patent Friction Coupling for 3 In. Shafting; manufactured by the Exhibitors. Price £2 5s. each. The principle of this coupling is peculiarly adapted for the Exhibitors' patent rolled shafting.

4447—(*New Implement.*)—Butler's Patent Friction Coupling for 2½-In. Shafting; manufactured by the Exhibitors. Price £1 15s. each.

4448—(*New Implement.*)—Butler's Patent Friction Coupling, for 2-In. Shafting; manufactured by the Exhibitors. Price £1 5s. each.

4449—(*New Implement.*)—Specimens of Butler's Patent Flanges; manufactured by the Exhibitors. Price 6d. per lb. These are for securing round iron or steel shafts in the wooden rollers of washing and wringing machines, the object being to utilise for such shafts the Exhibitors' patent rolled round iron and steel, catalogued above, in place of square, octagon, or other heavy section of iron, such as hitherto used.

4450—(*New Implement.*)—Sample Specimens of the Exhibitors' Patent Shafting, and Butler's Patent Flanges; manufactured by the Exhibitors. Fitted to wood rollers for washing and wringing machines, to show mode of

application. The advantages of this system are the avoidance of the bursting action upon the roller of the square or octagon shafts, as now used, which are forced through round holes in the rollers. (*Not for Sale.*)

4451—Specimens of the Best Kirkstall Iron ; manufactured by the Exhibitors. Price £18 per ton. This iron is made entirely from cold blast pigs, refined and selected for engine purposes.

4452—Specimens of Best Treble-Worked Scrap-Iron ; manufactured by the Exhibitors. Price £12 per ton. This iron is for special smithing and turning purposes.

4453—Specimens of Ordinary Bar Iron, K. M. Kirkstall ; manufactured by the Exhibitors. Price £7 10s. per ton. This iron is for ordinary good smithing and turning purposes.

4454—Specimens of Patent Spoke Iron ; manufactured by the Exhibitors. Price £8 per ton. For wrought-iron wheels for agricultural implements.

4455—Selection of Cart Tires, Bent, Bevilled, and Drilled ; manufactured by the Exhibitors. Price £9 per ton. These tires are bent cold, and hence an inferior quality of iron cannot be used for them, as is often the case when tires are bent hot.

4456—3-Cwt Single-Piked Anvil ; manufactured by the Exhibitors. Price £1 8s. per cwt. Warranted.

4457—3½-Cwt. Double-Piked Anvil ; manufactured by the Exhibitors. Price £1 8s. per cwt. Warranted.

4458—4-Cwt. Double-Piked Anvil ; manufactured by the Exhibitors. Price £1 10s. per cwt. Warranted.

4459—5-Cwt. Double-Piked Anvil ; manufactured by the Exhibitors. Price £1 14s. per cwt. Warranted.

4460—Cast-Iron Anvil Stand, with Adjustable Lugs ; manufactured by the Exhibitors. Price 9s. per cwt.

4461—Cast-Iron Swage-Block and Stand ; manufactured by the Exhibitors. Price 9s. per cwt.

4462—Pair of 1½-In. Patent Cart Arms, known as Kirkstall or Drabbles, Flat Beds, with Brass Caps ; manufactured by the Exhibitors. Price £2 per pair, with 40 per cent. discount. These arms are manufactured from the very best scrap iron, and forged entirely out of the solid. They are egg-shaped in the barrel, and have no sharp indents, and are round-cornered under the shoulder.

4463—Pair of 2-In. Patent Cart Arms, Similar to Above ; manufactured by the Exhibitors. Price £3 per pair, with 40 per cent. discount.

4464—Pair of 2½-In. Patent Cart Arms, Similar to Above ; manufactured by the Exhibitors. Price £4 per pair, with 40 per cent. discount.

4465—Pair of 3-In. Patent Cart Arms, Similar to Above ; manufactured by the Exhibitors. Price £5 10s. per pair, with 40 per cent. discount.

4466—Pair of 4-In. Patent Cart Arms, Similar to Above ; manufactured by the Exhibitors. Price £7 10s. per pair.

4467—Pair of 2½-In. Patent Cart Arms, Cranked ; manufactured by the Exhibitors. Price £6 10s. per pair. Square bed, cranked 18 in. deep solid turn-down flaps on top of crank ; shut up 4 ft. 6 in. between cranks. ;

4468—Pair of 2½-In. Patent Cart Arms, Sweep-Cranked ; manufactured by the Exhibitors. Price £5 10s. per pair. Edge bed, sweep-cranked 18 in. deep, for water-barrel cart.

4469—Pair of 1½-In. Patent Cart Arms, with Round Beds; manufactured by the Exhibitors. Price £2 5s. per pair, with 40 per cent. discount.

4470—Pair of 2-In. Patent Cart Arms, with Round Beds and Solid Turned-Down Flaps; manufactured by the Exhibitors. Price £4 5s. per pair, with 40 per cent. discount.

4471—Pair of 2½-In. Patent Cart Arms, with Cast-Iron Stocks; manufactured by the Exhibitors. Price £3 per pair.

4472—Pair of 2½-In. Patent Cart Arms, with Cast-Iron Stocks; manufactured by the Exhibitors. Price £2 10s. per pair.

4473—Pair of 1-In. Patent Long Bolt Mail Axles; manufactured by the Exhibitors. Price £1 per pair, with 40 per cent. discount. All the various parts of these axles are made to gauge, and can therefore be supplied separately, and are guaranteed to fit. The style of finish is new and special, as set forth in detailed circulars.

4474—Pair of 1½-In. Patent Long Bolt Mail Axles, Similar to Above; manufactured by the Exhibitors. Price £1 12s. per pair, with 40 per cent. discount.

4475—Pair of 1½-In. Patent Long Bolt Mail Axles, Similar to Above; manufactured by the Exhibitors. Price £2 6s. per pair, with 40 per cent. discount.

4476—Pair of 2½-In. Patent Long Bolt Mail Axles, Similar to Above; manufactured by the Exhibitors. Price £4 10s. per pair, with 40 per cent. discount.

4477—Pair of 1½-In. Patent Long Bolt Mail Axles, Similar to Above, with Solid Turn Down Flaps; manufactured by the Exhibitors. Price £2 per pair, with 40 per cent. discount.

4478—Pair of 1½-In. Patent Long Bolt Mail Axles, Similar to Above; manufactured by the Exhibitors. Price £3 per pair, with 40 per cent. discount. Cranked 6 in. deep, with solid turn-down flaps on top of crank.

4479—Pair of 1½-In. Patent Long Bolt Mail Axles, Similar to Above, with Butterfly flaps; manufactured by the Exhibitors. Price £2 8s. per pair, with 40 per cent. discount.

4480—Sample Quantity of 1½-In. Plain Mail Axle Ends, Arranged in a Rack with One Bush and Cap; manufactured by the Exhibitors. To show the uniformity of size, and that the axles are really interchangeable. (*Not for Sale*.)

4481—Sample Quantity of 1½-In. Mail Axle Bushes and Caps, Arranged in a Rack with One Axle End; manufactured by the Exhibitors. To show the uniformity of sizes, and that the bushes are really interchangeable.

4482—Pair of 2-In. Common Cart Arms and Bushes; manufactured by the Exhibitors. Price £2 2s. per cwt., with 40 per cent. discount. These arms are manufactured in the same manner as the patent cart arms above, and are the Lancashire pattern.

4483—Pair of 2½-In. Common Cart Arms and Bushes, Similar to the Above; manufactured by the Exhibitors. Price £2 2s. per cwt., with 40 per cent. discount.

4484—Pair of 3-In. Common Cart Arms and Bushes, similar to the Above; manufactured by the Exhibitors. Price £2 2s. per cwt., with 40 per cent. discount.

4485—Pair of 2-In. Improved Cart Arms and Bushes with Slit Cones; manufactured by the Exhibitors. Price £2 2s. per cwt., with 40 per cent. discount. These arms are manufactured in the same manner as above, and are the London pattern.

4486—Pair of 2½-In. Improved Cart Arms and Bushes, Similar to Above; manufactured by the Exhibitors. Price £2 2s. per cwt., with 40 per cent. discount.

4487—Pair of 3-In. Improved Cart Arms and Bushes, Similar to Above; manufactured by the Exhibitors. Price £2 2s. per cwt., with 40 per cent. discount.

4488—Assortment of Common and Improved Cart Arm Bushes; manufactured by the Exhibitors. Price 12s. per cwt. for 2 in. and above.

4489—Samples of Patent Cart Arm Bushes; manufactured by the Exhibitors. Broken to show the excellent quality of metal and the regularity of the chill.

4490—Set of 2½-In. Omnibus Axles, "Crane's Improved;" manufactured by the Exhibitors. Price £10 10s. per set.

4491—3-In Special Axle; manufactured by the Exhibitors. Price £12 12s. per axle. Fitted with gun-metal bushes, malleable cast-iron flanges, with 12 triangular bolts, and draw-rings.

Stand No. 169.—*William Cowper Pellatt, of 21, Red Lion Street, Clerkenwell, E.C.*

Article 4492—(*New Implement.*)—Waggon, Fitted with Self-Laying Continuous Tram Rails; manufactured by the Exhibitor. Price £100. (*For Trial.*)

4493—(*New Implement.*)—Vehicle, Fitted with Self-Laying Continuous Tram Rails, and Hand and Foot Motive Power; manufactured by the Exhibitor. Price £75, or £50 without motive power. (*For Trial.*)

Stand No. 170.—*C. S. P. Wood, of 342, Bradford Street, Birmingham.*

Article 4494—Wrought-Iron Fireproof Safe, 24 In. High, 18 In. Wide, 16 In. Deep; manufactured by the Exhibitor. Price £4 10s.

4495—Wrought-Iron Fireproof Safe, 26 In. High, 18 In. Wide, 18 In. Deep; manufactured by the Exhibitor. Price £5 5s.

4496—Wrought-Iron Fire and Burglar Proof Safe, 28 In. High, 20 In. Wide, 18 In. deep; manufactured by the Exhibitor. Price £8 5s.

4497—Wrought-Iron Fire and Burglar Proof Safe, 30 In. High, 20 In. Wide, 20 In. Deep; manufactured by the Exhibitor. Price £9.

4498—Wrought-Iron Fireproof Safe, 27 In. High, 27 In. Wide, 19 In. Deep; manufactured by the Exhibitor. Price £8 5s.

4499—Wrought-Iron Fire and Burglar Proof Safe, 30 In. High, 30 In. Wide, 20 In. Deep; manufactured by the Exhibitor. Price £12.

4500—Metallic Bedstead, Fitted with Wood's Patent Spring Laths; manufactured by the Exhibitor. Price £1. These new patent spring laths attached to metallic or wood bedsteads form a comfortable and elastic spring mattress, equal in every respect to others costing six times as much.

4501—Metallic Bedstead Fitted with Wood's Patent Spring Laths; manufactured by the Exhibitor. Price £1 10s.

4502—Metallic Bedstead Fitted with Wood's Patent Spring Laths; manufactured by the Exhibitor. Price £2 10s.

4503—Metallic Bedstead Fitted with Wood's Patent Spring Laths; manufactured by the Exhibitor. Price £3 10s.

4504—Metallic Bedstead Fitted with Wood's Patent Spring Laths; manufactured by the Exhibitor. Price £4 10s.

4505—Metallic Iron Bedstead Fitted with Wood's Patent Spring Laths; manufactured by the Exhibitor. Price £5 10s.

4506—Tyre Bending Machine; manufactured by the Exhibitor. Price £6 15s. This machine is guaranteed to bend wheel tyres up to 6 in. wide, and light tyres two at one time.

4507—Drilling Machine; manufactured by the Exhibitor. Price £4; bar 10s. extra. Admirably suitable for coach builders, smiths and engineers' fitting shops. It slides up and down, turns completely round with a reach of 14 inches, multiplies $2\frac{1}{2}$ turns of the bit for one turn of fly-wheel.

4508—Metallic Bedstead Frame with Wood's Patent Spring Laths; manufactured by the Exhibitor. This full size model shows the arrangement of the patent laths on metallic bedsteads, such as Nos. 4500–4505, whereby they become bedsteads and spring mattresses combined. These patent laths are supplied without bedsteads at 12s. 6d. per set with japanned fittings, or £1 5s. per set nickel plated, to fit any bedstead in use.

4509—Complete Model of Metallic Bedstead and Patent Spring Laths; manufactured by the Exhibitor. Price £1 5s.

4510—Model Railway Carriage Seat and Cushion, Full Size; manufactured by the Exhibitor. Price £1 17s. 6d. This model shows the application of my patent spring laths to railway carriage and tram car seats; also ranges of spring seating for clubs and public rooms, forming a comfortable, clean, and economical spring seating.

Stand No. 171.—*The HP Horse Nail Company (Limited), of Acre Street, New Road, Wandsworth Road, London, S.W.*

Article 4511—HP Horse Nails, Polished, Bright, and Pointed Ready for Use, in Countersunk and Half Countersunk Patterns, and in all sizes, from No. 3 to 16; manufactured by the Exhibitors. Price from 4s. 9d. to 8s.

Stand No. 172.—*William Glover and Sons, of Eagle Works, Warwick.*

Article 4512—Improved Prize Waggon for General Purposes; manufactured by the Exhibitors. Price £38. If with fore and hind ladders, £1 10s.; drag chain and shoe, £1; double shafts, £3 extra. To carry 4 or 5 tons, with single shafts and wood naves, made of well-seasoned timber, runs easily, and will turn on its own ground.

4513—Improved London Hay Cart; manufactured by the Exhibitors. Price £24. With fore and hind ladders and patent axles. Well adapted for carrying large loads of hay or corn.

4514—Superior Well-made Builder's or Contractor's Cart, for One or Two Horses; manufactured by the Exhibitors. Price £22. Made with high, 14-spoke wheels, and strong in every way; suitable for carrying stone.

4515—Superior Well-made Builder's or Contractor's Cart, for One or Two Horses; manufactured by the Exhibitors. Price £21. With side top boards, &c. Wheels have 14 spokes and $\frac{3}{4}$ -in. tires, $1\frac{1}{2}$ -in. plank sides (either pitch pine, red deal, or elm), 5 bolts each side, running through planks, and three wood shores to each side, which greatly strengthen them, extra strong arms, &c.

4516—Superior Well-made Builder's or Contractor's Cart, for One Horse; manufactured by the Exhibitors. Price £18 10s. Made same as preceding cart, but lighter.

4517—Improved Farm and General Purpose Cart; manufactured by the Exhibitors. Price £18 10s. With side shelving and fore and hind ladders, or can be made with loose side boards and long gearing. W. G. and Sons had the honour of supplying one of these carts to His Royal Highness the Prince of Wales, K.G.

4518—Superior 5-Row Corn Cup Drill; manufactured by the Exhibitors. Price £11 10s. Made with improved bottom handles (for use when turning), wrought-iron legs, and steel-pointed shares. Will drill any kind of grain on the strongest land.

4519—Strong 4-Wheeled Lorry or Drag on Springs; manufactured by the Exhibitors. Price £31. With front name-board and seat, &c.

4520—Samples of Wrought-Iron Hurdles and Continuous Fencing, Paris Exhibition Hurdles, &c.; manufactured by the Exhibitors. Price from 1s. 8d. per yard. These samples include the patterns W. G. & Sons have supplied to the Royal Agricultural Society for their pig and sheep pens for this year's Exhibition.

Stand No. 173.—*Page and Girling, of Melton, Woodbridge, Suffolk.*

Article 4521—New Waggon for General Agricultural Purposes; manufactured by the Exhibitors. Price £40.

4522—Pair-Horse Road Waggon, with Double Shafts and Driving Seat; manufactured by the Exhibitors. Price £40.

4523—Strong Single Horse Cart, for General Agricultural Purposes; manufactured by the Exhibitors. Price £14.; with moveable harvest frame, £2 extra.

4524—Light Single Horse Cart, for Agricultural Purposes; manufactured by the Exhibitors. Price £13.

4525—New Jointed Iron Field Roller; manufactured by the Exhibitors. Price £8 10s. These rollers are made with four wrought-iron cylinders, and turn freely on the lightest lands.

4526—Improved Horse Hoe; manufactured by the Exhibitors. Price £8 10s.

4527—New Wrought-Iron Scarifier; manufactured by the Exhibitors. Price £10 10s. When at work the depth easily regulated by the lever and ratchet.

4528—Gang of Improved Iron Harrows with Long Pindletree; manufactured by the Exhibitors. Price £4.

4529—Smith's Patent Counter-Balance Lever Horse Rake; manufactured by the Exhibitors. Price £10 10s. This rake is fitted with patent adjustment for raking the furrows.

4530—Hand Drill with Two Barrels, for Mangel and Turnips; manufactured by the Exhibitors. Price £2 10s.

4531—Improved Corn-Dressing Machine; manufactured by the Exhibitors. Price £7 10.

4532—Improved Corn-Dressing Machine (Large Size); manufactured by the Exhibitors. Price £8 10s.

Stand No. 174.—*John Cowley and Son, of Wednesbury Road, Walsall, Staffordshire.*

Article 4533—Screwing Machine for Bolts and Nuts for Power; manufactured by the Exhibitors. Price £57 14s. Screws all sizes from $\frac{1}{4}$ in. to 2 in.; dies and taps to each size; overhead motion; mounted on iron stand ready for fixing.

4534—Screwing Machine for Gas and Steam Tubes; manufactured by the Exhibitors. Price £23. Screws 1 in. to 2 in.; has apparatus fixed for cutting tubes also; mounted on iron stand; three-speed cone pulley to work by hand and power.

4535—Screwing Machine for Gas and Steam Tubes; manufactured by the Exhibitors. Price £15 15s. Screws all sizes, $\frac{1}{4}$ in. to 2 in.; with 8 pairs of adjustable dies.

4536—Improved Pipe Vice, with Slide; manufactured by the Exhibitors. Price £1 2s. Grips tubes or other articles up to 2 in. diam.

4537—Registered Pipe Vice; manufactured by the Exhibitors. Price 18s. 6d. Grips up to 2 in.; has side opening for bends, ties, &c.

4538—Tube Cutter; manufactured by the Exhibitors. Price 12s. 3d. Cuts tubes all sizes $\frac{1}{4}$ in. to 1 in.

4539—Rotary Tube Cutter; manufactured by the Exhibitors. Price £1 4s. 6d. Cuts tubes $\frac{1}{4}$ in. to 2 in., has three knives, and only requires turning one-third of the way.

4540—Registered Pipe Wrench; manufactured by the Exhibitors. Price 7s. Takes all sizes, $\frac{1}{4}$ in. to 1 in.; is self-acting.

4541—Registered Pipe Wrench; manufactured by the Exhibitors. Price 12s. Takes all sizes $\frac{1}{4}$ in. to 2 in.

4542—Registered Combined Wrench and Tube Cutter; manufactured by the Exhibitors. Price 17s. 6d. Grips and cuts $\frac{1}{4}$ in. to 1 in.; can be used either way without altering the tool.

4543—Set Everitt's Patent Screw Stocks; manufactured by the Exhibitors. Price £1 18s. 6d. To screw $\frac{1}{4}$ in., $\frac{3}{8}$ in., and $\frac{1}{2}$ in.; Whitworth thread; plug and taper taps to each size.

4544—Set Everitt's Patent Screw Stocks; manufactured by the Exhibitors. Price £3 5s. 6d. Screws $\frac{1}{4}$ in., $\frac{3}{8}$ in., and $\frac{1}{2}$ in., Whitworth thread; plug and taper taps to each size.

4545—Set Everitt's Patent Screw Stocks; manufactured by the Exhibitors. Price £2 16s. 6d. Screws $\frac{1}{4}$ in., $\frac{3}{8}$ in., and $\frac{1}{2}$ in. tubes; plug and taper taps to each size; has fixed guide to keep tubes straight.

4546—Set Everitt's Patent Screw Stocks; manufactured by the Exhibitors. Price £3 16s. Screws $\frac{1}{4}$ in., $\frac{3}{8}$ in., and 1 in. tubes; plug and taper taps to each size; has fixed guide to keep tubes straight.

4547—Drilling Machine; manufactured by the Exhibitors. Price £4 15s. 6d. Drills in any position; very strong; fitted with 9 drills.

4548—Adjustable Automaton Spanner; manufactured by the Exhibitors. Price 4s. 8d. Takes up to $\frac{1}{2}$ in.; $6\frac{1}{2}$ in. long; all wrought iron.

4549—Adjustable Automaton Spanner; manufactured by the Exhibitors. Price 11s. 9d. Spans to $1\frac{1}{2}$ in.; all wrought-iron.

4550—Universal Ratchet Brace; manufactured by the Exhibitors. Price £2 9s. Works in any position or at any angle; fitted with 4 drills.

4551—Ratchet Brace; manufactured by the Exhibitors. Price £1 6s. 12 in. long, with drills $\frac{1}{2}$ in., $\frac{3}{4}$ in., $\frac{1}{2}$ in., and $\frac{1}{4}$ in.

Stand No. 175.—*W. B. Wilkinson and Co., of Newcastle-on-Tyne.*

4552—Granite Concrete Floor, with Divisions as 2- Stall Stable; manufactured by the Exhibitors. Price 3s. to 5s. 6d. per superficial yard, laid complete, with guarantee for five years. Suitable for floors of barns, cattle-feeding houses, stables, piggeries, dog kennels, cottages, &c.

4553—Granite Concrete Flag; manufactured by the Exhibitors. Price 5d. per superficial foot, free on rail. 2 ft. square, by $2\frac{1}{2}$ in. thick.

4554—Concrete Flag; manufactured by the Exhibitors. Price 4d. per superficial foot, free on rail. 18 in. square by 2 in. thick.

4555—Concrete Curb for Footpaths; manufactured by the Exhibitors. Price 5d. per lineal foot, free on rail.

4556—Granite Concrete Step; manufactured by the Exhibitors. Price 9s., free on rail. 4 ft. by 12 in. by 8 in., with moulded front and ends.

4557—Circular Pig Trough with Raised Centre; manufactured by the Exhibitors. Price 10s., free on rail.

4558—Oblong Trough to Hold about 7 Gallons, with Moulded Sides; manufactured by the Exhibitors. Price 7s. 6d., free on rail.

4559—Oblong Trough to Hold about 7 Gallons; manufactured by the Exhibitors. Price 5s., free on rail.

4560—Concrete Sink with Hinge Trap; manufactured by the Exhibitors. Price 5s., free on rail. 2 ft. by 1 ft. 6 in.; suitable for kitchens and washhouses.

4561—Concrete Sink with Hinge Trap, and Sides lined with Glazed Tiles; manufactured by the Exhibitors. Price 13s., free on rail. 5 ft. by 1 ft. 8 in.; suitable for kitchens and washhouses.

4562—Length of No. 1 Concrete Ridge; manufactured by the Exhibitors. Price 4d. per lineal foot, free on rail. Suitable for farm buildings.

4563—Length of No. 2 Concrete Ridge; manufactured by the Exhibitors. Price 4d. per lineal foot, free on rail. Suitable for farm buildings.

4564—Length of No. 3 Concrete Ridge; manufactured by the Exhibitors. Price 5d. per lineal foot, free on rail. Suitable for farm buildings.

4565—Length of No. 4 Concrete Ridge; manufactured by the Exhibitors. Price 5d. per lineal foot, free on rail. Suitable for farm buildings.

4566—Length of No. 5 Concrete Ridge; manufactured by the Exhibitors. Price 5d. per lineal foot, free on rail. Suitable for farm buildings.

4567—Length of Concrete Ridge; manufactured by the Exhibitors. Price 5d. per lineal foot, free on rail. Suitable for farm buildings.

4568—Length of Concrete Channel; manufactured by the Exhibitors. Price 4½d. per lineal foot, free on rail.

4569—Length of Concrete Garden Edging; manufactured by the Exhibitors. Price 4½d. per lineal foot, free on rail.

4570—Square Angle of Concrete Garden Edging; manufactured by the Exhibitors. Price 1s. 3d. each, free on rail.

4571—Length of Concrete Garden Edging; manufactured by the Exhibitors. Price 3½d. per lineal foot, free on rail.

4572—Round Angle of Concrete Garden Edging; manufactured by the Exhibitors. Price 9d. each, free on rail.

4573—Length of Concrete Garden Edging; manufactured by the Exhibitors. Price 5d. per lineal foot, free on rail.

4574—Round Angle of Concrete Garden Edging; manufactured by the Exhibitors. Price 1s. 3d. each, free on rail.

4575—Sample of Concrete Tiles of Various Colours; manufactured by the Exhibitors. Price 6d. each, free on rail. Suitable for greenhouse floors.

4576—Concrete Balustrade; manufactured by the Exhibitors. Price 4s. 6d. each, free on rail.

4577—Division for 2-Stall Stable; manufactured by Musgrave and Co., of Belfast. To illustrate the use of concrete for stable flooring. (*Not for Sale.*)

Stand No. 176.—*Thomas Prentice and Co., of Stowmarket, Suffolk.*

Article 4578—Asphalte Floor, Specially Adapted for Farm-Buildings and Workshops; manufactured by the Exhibitors. Price 2s. 3d. per square yard.

4579—Asphalte Floor for Malthouse Working Floors; manufactured by the Exhibitors. Price 2s. 3d. per square yard.

4580—Asphalte Floor for Stables; manufactured by the Exhibitors. Price 4s. per square yard.

4581—Asphalte Granite Pavement for Streets, Garden Paths, &c.; manufactured by the Exhibitors. Price 2s. 3d. per square yard.

Stand No. 177.—*Selig, Sonnenthal and Co., of Lambeth Hill, Queen Victoria Street, London, E.C.*

Articles 4582 to 4584—Hand-Power Thrashing-Machines; manufactured by Prawsonback & Co. Price £8; £10 5s. with straw-shaker; £10 7s. 6d.

4585—Vertical Grain-Mill, 12 In.; manufactured by Straw & Co., of Philadelphia. Price £19.

4586 to 4588—Earth-Borers, 2-In., 4-In., and 8-In.; manufactured by the Iron Works, of Varel. Price, 2-in., 12s.; 4-in., 10s.; 8-in., 17s.

4589 to 4591—Automatic Revolving Scrapers, 30-In., 33-In., and 36-In.; manufactured by the Revolving-Scraper Co., of Columbus. Price, 30-in., £3 14s.; 33-in., £3 18s.; 36-in., £4 2s. For road-making, excavating, ditching, levelling, railroad and canal work, and removing all kinds of earthwork.

4592 to 4594—Patent Mortar, Brick, and Stone Barrows; manufactured by the Revolving Scraper Co. Price, mortar, 18s.; brick, £1 9s.; stone, £1.

4595, 4596—Patent Folding Farm-Barrows, Medium and Large Sizes; manufactured by the Revolving Scraper Co. Price, medium, £1 9s.; large, £1 13s.

4597 to 4600—Chaff-Cutters, 4 Sizes; manufactured by the Exhibitors. Price £2 5s., £2 10s., £3 10s., £4 10s.

4601—Rotary Pump, for Irrigating and Pumping Liquid Manure; manufactured by the Exhibitors. Price £17 5s.

4602—Corn Sheller, for Maize; manufactured by the Goulds' Manufacturing Co., of Seneca Falls. Price £2 10s.

4603—Hand Corn-Sheller, for Maize; manufactured by Corbin & Co. Price 10s.

4604, 4605—Winnowing Machines; manufactured by Blake & Co., of Wisconsin. Price £7 and £9.

4606—Tyre Bender; manufactured by the Russell Manufacturing Co., of Massachusetts. Price £5 5s.

4607—Tyre Bender; manufactured by the Exhibitors. Price £5.

4608—Wall-Drilling Machine; manufactured by the Exhibitors. Price £2 10s.

4609 to 4611—Bench Drilling Machines, 3 Sizes; manufactured by the Exhibitors. Price £5, £8, £12.

4612—Pillar-Drilling Machine; manufactured by the Exhibitors. Price £26.

4613—Drilling Machine; manufactured by the Russell Manufacturing Co., of Massachusetts. Price £15 15s.

4614 to 4616—Mangling Machines, 3 Sizes; manufactured by the Exhibitors. Price £3, £3 5s., £3 10s.

4617—Mortar-Mixing Mill; manufactured by the Exhibitors. Price £10 10s.

4618—Spoke-Tenoning Machine; manufactured by the Silver Denning Manufacturing Co., of Ohio. Price £9.

4619—Herb-Boxing Machine; manufactured by the Silver Denning Manufacturing Co. Price £5.

4620—Horse-Shoers' Machine; manufactured by the Russell Manufacturing Co., of Massachusetts. Price £5 12s. 6d.

4621—Tyre Shrinker; manufactured by the Russell Manufacturing Co. Price £4 10s.

4622, 4623—Double-Blast Forges, 10-In. and 12-In. Bellows; manufactured by the Exhibitors. Price £7 10s. and £9.

4624—Patent Mill-Pick; manufactured by Straw & Co., of Philadelphia. Price £1 5s.

4625—Patent Canal Barrow; manufactured by the Revolving Scraper Co., of Columbus. Price 15s.

4626—Horse-Clipper Grinder; manufactured by Rickett & Co., of Nottingham. Price 17s. 6d.

4627—Horse-Shoe Making Machine; manufactured by Hapter & Co. Price £10.

4628 to 4631—Patent Helical Pulley-Blocks, with Chain for 12 Ft. Lift; manufactured by Verlinde & Co., of France. Price, 4 cwt., £2 10s.; 20 cwt., £3 18s.; 40 cwt., £6 10s.; 60 cwt., £8 6s.

Stand No. 178.—*J. S. Hancock and Co., of 13, Cotterill Road, Dalston Lane, London, E.*

Article 4632—(*New Implement.*)—New Binding Reaper; manufactured by the Exhibitors. Price £45. Makes a flat instead of a round sheaf of any width or thickness that may be required, with two rows of stitches with thread only; no wire. It also makes thatch in a better condition to resist rain than any other machine in use. (*For Trial.*)

4633—Root Washer, No. 4; manufactured by the Exhibitors. Price £5 5s. Removes skins and soil from potatoes and roots, 30 lbs. at a time.

4634—Root Washer, No. 3; manufactured by the Exhibitors. Price £3 3s. Removes skins and soil from potatoes and other roots, 15 lbs. at a time.

4635—Root Washer, No. 2; manufactured by the Exhibitors. Price £1 10s. Will wash and remove the skins from potatoes and other roots, 8 lbs. at a time.

4636—Root Washer, No. 1; manufactured by the Exhibitors. Root and washer to clean 5 lbs. at one time.

4637—Butter Purifying Machine, No. 4; manufactured by the Exhibitors. Price £5 5s. This machine will clean 28 lbs. of butter from all traces of milk and acid from the churn, and also make it firm in hot weather.

4638—Butter Purifying Machine, No. 3; manufactured by the Exhibitors. Price £2 12s. 6d. This machine will clean 14 lbs. of butter from all traces of milk and acid, and also cool it in hot weather.

4639—Butter Purifying Machine, No. 2; manufactured by the Exhibitors. Price £2 2s. This machine will clean 8 lbs. of butter, and remove all traces of milk and acid from butter, and cool it in hot weather.

4640—Butter Purifying Machine, No. 1; manufactured by the Exhibitors. Price £1 10s. This machine will clean 4 lbs. of butter.

4641—Butter Purifying Machine, No. 0; manufactured by the Exhibitors. Price 15s. 6d. This machine will clean 1 lb. of butter.

Stand No. 179.—*Henry S. Crump, of the Alvin Iron Works, Gloucester.*

Article 4642—Improved Wrought-Iron Sheep Rack; manufactured by the Exhibitor. Price £5 5s. Being made of galvanized iron, it is light, strong, and impervious to the weather, and mounted upon four strong, solid, bowl wheels, prevents sheep from entangling themselves.

4643—(*New Article.*)—Wrought-Iron Calf Trough; manufactured by the Exhibitor. Price £2 10s. Especially designed for feeding calves or young stock.

4644—(*New Article*).—Wrought-Iron Calf Rack; manufactured by the Exhibitor. Price £5. Similar to Article No. 4643, with rack for hay, and being mounted upon wheels, it is easily moved about.

4645—(*New Article*).—Calf Rack; manufactured by the Exhibitor. Price £7. Similar to preceding, with the addition of galvanized corrugated iron hinged cover.

4646—Wrought-Iron Cattle Crib; manufactured by the Exhibitor. Price £3 7s. 6d. For the straw-yard or field.

4647—Cattle Crib; manufactured by the Exhibitor. Price £3 18s. Mounted upon wheels for convenience of moving about.

4648—(*New Article*).—Registered Gloucestershire Sheep Trough; manufactured by the Exhibitor. Price £1 6s. Unsurpassed for strength and durability. This pattern has obtained more prizes than any other made; fitted with improved solid bowl wheels.

4649—Registered Gloucestershire Sheep Trough; manufactured by the Exhibitor. Price £1 8s. Similar to above, and fitted with improved solid bowl wheels.

4650—Registered Gloucestershire Sheep Trough; manufactured by the Exhibitor. Price £1 6s. Without top rail. Particularly adapted for export.

4651—Registered Gloucestershire Lamb Trough; manufactured by the Exhibitor. Price £1. Especially adapted for lambs, or as a low-priced sheep trough; also for export for ostrich farms.

4652—Wrought-Iron Cattle Trough; manufactured by the Exhibitor. Price £1 4s. With improved circular bottom. Being mounted upon legs preserves it from decay.

4653—Wrought-Iron Cattle Trough; manufactured by the Exhibitor. Price £1 10s. Similar to above.

4654—Wrought-Iron Cattle Trough; manufactured by the Exhibitor. Price £2 2s. Similar to above.

4655—(*New Article*).—Specimens of Patent Continuous Fencing; manufactured by the Exhibitor. Price 1s. 9d. per yard. With angular iron uprights; each bar being of one solid form, without joint or weld, it cannot be broken at the ground line, which is too often the occurrence with pronged feet.

4656—(*New Article*).—Specimen of Patent Continuous Fencing; manufactured by the Exhibitor. Price 2s. per yard. Easier fixed, and has a firmer hold in the subsoil than any other sold.

4657—(*New Article*).—Specimen of Patent Continuous Fencing; manufactured by the Exhibitor. Price 2s. 3d. per yard. The upright bar being broader, it gives it a stronger appearance; it is much more ornamental, and can be seen by horses and cattle, thus the risk of their running against it is avoided.

4658—(*New Article*).—Specimen of Patent Continuous Fencing; manufactured by the Exhibitor. Price 2s. 4d. per yard. The standards are made of iron, of a quality at least 30 per cent. above common, and the simple mode of manufacture enables the patent fence to be produced at the same cost as common fences.

4659—(*New Article*).—Specimen of Patent Continuous Fencing; manufactured by the Exhibitor. Price 2s. 8d. per yard. Being all straight bars, they are easily packed close together, and cannot be broken in carriage or ship.

4660—(*New Article.*)—Specimens of Angular-Iron Cattle Hurdles; manufactured by the Exhibitor. Price from 4s. 6d. each. Similar to preceding fences, dispensing with pronged feet, thereby saving the annoyance of constant breakages.

4661—(*New Article.*)—Specimens of Angular-Iron Cattle Hurdles; manufactured by the Exhibitor. Price from 5s. 6d. each.

4662—(*New Article.*)—Specimens of Iron-Angular Sheep Folding Hurdles; manufactured by the Exhibitors. Price 3s. 4d. each. Similar to preceding fences and hurdles, and possessing the same advantages.

4663—Assortment of Iron Sack Trucks; manufactured by the Exhibitor. Price from 10s. 6d. Strongest and cheapest made.

4664—Samples of Iron Cask Stands; manufactured by the Exhibitor. Price from 8s. 6d. each. Awarded the only Prize Medal at the Exhibition of Beers.

Stand No. 180.—*Penney and Co. (Limited), of City Iron and Wire Works, Lincoln.*

Article **4665**—Improved Potato Digger; manufactured by the Exhibitors. Price £15. Raises the potatoes, and strews them on the ground ready to be collected.

4666—Potato Separator, No. 1; manufactured by the Exhibitors. Price £8 10s. Separates the potatoes into 3 sizes, free of soil, at one operation.

4667—Adjustable Corn Screen, Class A; manufactured by the Exhibitors. Price £13; triangular wire, 15s. extra.

4668—Adjustable Corn Screen, Class D; manufactured by the Exhibitors. Price £18. With adjusting stone separator and blower.

4669—Adjustable Pea Screen, Class F; manufactured by the Exhibitors. Price £18. Suitable also for beans; gives 3 sizes.

4670—Adjustable Corn Screen, Class E; manufactured by the Exhibitors. Price £21 10s. With complete winnowing and dressing apparatus.

4671—Adjustable Coffee Classifier, Class M; manufactured by the Exhibitors. Price £25. Separates the coffee into 5 sizes at the same time. Silver Medal, Paris Exhibition, 1878. See Exhibitors' Special Catalogue.

4672—Improved Seed-Dressing Machine; manufactured by the Exhibitors. Price £17. Especially adapted for cleaning linseed, canary, hemp, rape, &c.

4673—Adjustable Corn Screen, Class C; manufactured by the Exhibitors. Price £38. 30 in. diameter, with adjusting stone separator. For corn merchants and maltsters.

4674—Rotary Manure Screen, with Beaters; manufactured by the Exhibitors. Price £22 10s.

4675—Rotary Gravel Screen; manufactured by the Exhibitors. Price £8.

4676—Malt Screen; manufactured by the Exhibitors. Price £4.

4677—Lime or Sand Screen; manufactured by the Exhibitors. Price £1 11s. 6d. Register mesh $\frac{1}{8}$ in.

4678—Lime or Sand Screen; manufactured by the Exhibitors. Price £1 14s. Register mesh $\frac{1}{4}$ in.

4679—Root Washer; manufactured by the Exhibitors. Price £4 4s.

4680—Chain Sack Lifter; manufactured by the Exhibitors. Price £2 15s.

4681—Rack Sack Lifter; manufactured by the Exhibitors. Price £3.

4682—Wrought-Iron Sack Holder; manufactured by the Exhibitors. Price £1 10s. On wheels, so as to answer for a barrow.

4683—Wood Sack Truck, No. 1; manufactured by the Exhibitors. Price 11s. 6d. Very handy.

4684—Wood Sack Truck, No. 2; manufactured by the Exhibitors. Price 13s. 6d. Ordinary size. Useful in seed establishments, &c.

4685—Wood Sack Truck, No. 2 $\frac{1}{2}$; manufactured by the Exhibitors. Price 19s. Strong useful truck for removing cases, &c.

4686—Wood Sack Truck, No. 3; manufactured by the Exhibitors. Price £1 2s. 6d.

4687—Wrought-Iron Sack Barrow; manufactured by the Exhibitors. Price 12s.

4688—Wrought-Iron Coal Barrow; manufactured by the Exhibitors. Price £1 12s. Very handy and compact.

4689—Garden Barrow; manufactured by the Exhibitors. Price £1 10s.

4690—Luggage Truck; manufactured by the Exhibitors. Price £1 11s. 6d. For hotels, &c.

4691—Wood Stable Barrow; manufactured by the Exhibitors. Price £1 4s.

4692—Weighing Machine with Sack Lifter; manufactured by the Exhibitors. Price £5 15s.

4693—Strong Single-Purchase Crab for Builders, Contractors, &c.; manufactured by the Exhibitors. Price £6 6s.

4694—Meat Safe; manufactured by the Exhibitors. Price £1 1s.

4695—Meat Safe; manufactured by the Exhibitors. Price £1 5s.

4696—Meat Safe; manufactured by the Exhibitors. Price £1 8s.

4697—Meat Safe; manufactured by the Exhibitors. Price £1 12s.

4698—Meat Safe; manufactured by the Exhibitors. Price £1 17s.

4699—Meat Safe; manufactured by the Exhibitors. Price £1 7s.

4700—Meat Safe; manufactured by the Exhibitors. Price £1 10s.

4701—Meat Safe; manufactured by the Exhibitors. Price 14s.

4702—Meat Safe; manufactured by the Exhibitors. Price 16s.

4703—Meat Safe; manufactured by the Exhibitors. Price 19s.

4704—Meat Safe ; manufactured by the Exhibitors. Price £1 8s.

4705—Improved Pearl Barley Mill ; manufactured by the Exhibitors. Price £33. Capacity two to three bushels per hour.

Stand No. 181.—*Corbett and Peele, of Perseverance Iron Works, Shrewsbury, Salop.*

Article 4706—Royal and Paris Exhibition, 1878, First Prize Combination of Winnowing, A 2, Corn Elevator, and Weighing Machine ; manufactured by the Exhibitors. Price £19. The greatest labour-saving appliance of the day ; by its use two men can thoroughly dress, elevate, bag, and weigh eighty bushels of grain per hour. Has gained fifteen First Prizes since 1871.

4707—Twenty-Two Royal and Paris, 1878, First Prize Improved Patent "Eclipse" Combined Blowing, Winnowing and Corn-Dressing Machine, A 1 ; manufactured by the Exhibitors. Price £11 15s. Fitted with transverse moving riddles, portable bottom oscillating screen, with brush for cleaning sand. It is the simplest, most efficient, and lightest in working in the world. Has gained every prize for which it has competed since 1872.

4708—One Hundred and Twenty Royal and other Societies First Prize Patent "Eclipse" Corn-Dressing Machine, A 1 ; manufactured by the Exhibitors. Price £10 12s. 6d. The "Eclipse" corn-dressing machines are all fitted with bottom oscillating screen, and are unequalled for efficiency and quantity of work they will perform. Thousands of these machines are in use all over the world.

4709—Royal First Prize Seed and Corn-Dressing Machine, A 3 ; manufactured by the Exhibitors. Price £11 7s. 6d. Fitted with double nostril boards, portable bottom screen, and boards for dressing seeds. Transverse moving riddles.

4710—Royal Gold Medal First Prize "Eclipse" Combined Winnowing and Corn-Dressing Machine, A 4 ; manufactured by the Exhibitors. Price £9.

4711—Improved Royal First Prize "Eclipse" Corn-Dressing Machine, A 5 ; manufactured by the Exhibitors. Price £8 10s.

4712—Improved First Prize Blowing, Winnowing, and Corn-Dressing Machine, with Fixed Bottom Screen, A 6 ; manufactured by the Exhibitors. Price £8 10s. Blowing hopper for ditto, £1 extra.

4713—First Prize Winnowing and Corn-Dressing Machine, with Fixed Screen, A 7 ; manufactured by the Exhibitors. Price £8.

4714—First Prize Corn-Dressing Machine, with Fixed Screen, A 8 ; manufactured by the Exhibitors. Price £7 10s.

4715—Winnowing and Corn-Dressing Machine, with Fixed Screen, A 9 ; manufactured by the Exhibitors. Price £6 15s. Specially adapted for small occupiers.

4716—"Royal Scotsman" First Prize Side Delivery Blowing, Winnowing, and Corn-Dressing Machine, A 10 ; manufactured by the Exhibitors. Price £8 10s. Specially adapted for Scotland and other districts where grain is required to be delivered on side of machine. Fitted with transverse riddles.

4717—Combined Blowing and Screening Machine, A 1 ; manufactured by the Exhibitors. Price £5 15s. This machine is admirably adapted for the use of millers, corn and seed merchants, and will perform a large amount of work.

4718—Small Occupation Winnowing and Corn - Dressing Machine; manufactured by the Exhibitors. Price £5 17s. 6d.

4719—First Prize "Economic" Combined Sheep Rack and Trough, A 1; manufactured by the Exhibitors. Price £4. Fitted with diagonal bars for hay rack, and out of which twenty-four sheep can feed at once. For economy in use, strength, size, and durability this rack excels all others.

4720—First Prize "Economic" Sheep Rack and Trough, A 2; Price £3 15s.

4721—Royal Gold Medal and Paris, 1878, First Prize Oil and Cotton-Cake Breaker, A 14; manufactured by the Exhibitors. Price £3 15s. Adapted for breaking cake 14 in. wide into six sizes. Has gained fifteen First Prizes, being every one for which it has competed.

4722—Fifteen First Prize Linseed Cake Breaker, A 1; manufactured by the Exhibitors. Price £3 10s. Breaks six different sizes.

4723—Fourteen Royal Agricultural Society of England's First Prize Chaff-Cutter for Horse or Steam Power, No. 3; manufactured by the Exhibitors. Price £13 10s. Pulleys extra.

4724—Improved First Prize Chaff-Cutter, for Horse or Steam Power, C; manufactured by the Exhibitors. Price £12 12s. Pulleys extra.

4725—Paris Exhibition Prize Medal Chaff-Cutter, for Hand Power, F; manufactured by the Exhibitors. Price £3 15s. Mouthpiece 9-in. wide, rising from 2 in. to 3 in. Cuts two lengths of chaff without change of wheels. This is a very superior and easy-working machine. Specially adapted for export.

4726—First Prize Chaff-Cutter for Hand Power, No. 14; manufactured by the Exhibitors. Price £2 10s. Cuts a short length of chaff, and can easily be worked by a boy.

4727—Paris Exhibition First Prize Medal Combined Disc Turnip Slicer and Fingerer, T S; manufactured by the Exhibitors. Price £5 7s. 6d. Has gained nineteen First Prizes, being every one for which it has competed.

4728—Improved Sack Barrow on High Wheels; manufactured by the Exhibitors. Price £1 5s.

4729—Improved First Prize Strong Two-Horse Gear, with Intermediate Motion; manufactured by the Exhibitors. Price £18 10s.

4730—New Pattern Paris Exhibition, 1878, First Prize Medal, Compound Lever Double Chamber Cheese Press, No. 1; manufactured by the Exhibitors. Price £6 17s. 6d. Fitted with polished standards, and double shooter boards. For simplicity, ease in management, and efficiency, this press excels all others. The only press which received a special medal at Paris, 1878. 24-in. wide between standards; from entirely new patterns.

4731—Paris, 1878, Highest Prize Compound Lever Double Chamber Cheese Press, with Polished Standards and Double Shooter Boards, No. 2; manufactured by the Exhibitors. Price £6 10s. The only press yet introduced with direct action and adjustable lever bars; 22-in. wide between standards.

4732—Improved First Prize Compound Lever Double Chamber Cheese Press, No. 3; manufactured by the Exhibitors. Price £6. 20-in. wide between standards.

4733—New Pattern First Prize Compound Lever Single Chamber Cheese Press, No. 1; manufactured by the Exhibitors. Price £4 3s. 6d. Bright standards and direct action adjustable lever. 24-in. wide between standards; from entirely new patterns.

4734—Improved First Prize Compound Lever Single Chamber Cheese Press, with Polished Standards, No. 2; manufactured by the Exhibitors. Price £3 16s.

4735—Improved Single Chamber Compound Lever Single Chamber Cheese Press, with Turned Standards, No. 3; manufactured by the Exhibitors. Price £3 11s.

4736—Improved Cheese Stool, with Four Iron Legs and Rollers, No. 3; manufactured by the Exhibitors. Price 17s. 6d.

4737—Improved Cheese Stool, with Three Iron Legs and Rollers, No. 2; manufactured by the Exhibitors. Price 14s. 6d.

4738—Improved Cheshire Curd Mill; manufactured by the Exhibitors. Price £2 2s. 6d.

4739—New Pattern Compound Lever Double-Chamber Cheese Press; manufactured by the Exhibitors. Price £5 17s. 6d.

4740—R. A. S. E. (1870) First Prize Cheese-Making Apparatus; manufactured by the Exhibitors. Price £3 5s. Fitted with lever and notched all round.

4741—Royal First Prize Medal "Defiance" Double-Furrow Plough, HND; manufactured by the Exhibitors. Price £9 5s. Fitted with steel breasts and skim coulters. Has gained thirty-three Royal, Champion, and other Class First Prizes since 1870. First Prize at Hull Royal Trials, 1872, for combined double-furrow plough and subsoiler.

4742—All England Champion "Excelsior" Single-Furrow Plough, with Steel Breast and Skim Coulter, HPH; manufactured by the Exhibitors. Price £5 15s. Adapted for strong land and deep ploughing. Fitted with lever neck and new pattern box wheel fastenment, the simplest and strongest yet introduced. Digging breast, 10s. extra. "Little Wonder" revolving fork, £1 15s. extra.

4743—All England Champion "Excelsior" Single-Furrow Plough, with Steel Breast and Skim Coulter, H P; manufactured by the Exhibitors. Price £5 10s. General purpose plough. Has gained upwards of 100 All England Champion and other Class First Prizes since 1870. The only plough which gained two silver model ploughs at the Great Wirral Society's Dynamometer Trials. Ridging body, £1 15s.; subsoil body, 12s. 6d. extra.

4744—"Excelsior" Single-Furrow Plough, HL, with Steel Breast and Skim Coulter; manufactured by the Exhibitors. Price £5 5s. Similar in design to Article No. 4742, but lighter.

4745—"Excelsior" Single-Furrow Plough, HS; manufactured by the Exhibitors. Price £4 16s. 6d. Similar to Article No. 4742, but lighter, and without lever neck.

4746—"Excelsior" Single-Furrow Plough, H; manufactured by the Exhibitors. Price £4 6s. 6d. Similar to Article No. 4745, but lighter.

4747—"Excelsior" Swing Plough, with Steel Breast and Skim Coulter, HPS; manufactured by the Exhibitors. Price £5 5s.

4748—R. A. S. E. (1871) First Prize Medal American Revolving Mouldboard Pulverizing Plough, RMB; manufactured by the Exhibitors. Price £5 10s.

4749—Royal First Prize Medal "Uniform" Ridging Plough, R P; manufactured by the Exhibitors. Price £3 17s. 6d. Fitted with steel breasts and two wheels; newly designed wheel fastenment, the simplest, strongest, and best extant. Has gained six First Prizes since 1874, being all for which it has competed. Marker for ditto, 8s. 6d. extra.

4750—Royal First Prize Medal “Uniform”, Ridging Plough, *R.P.*; manufactured by the Exhibitors. Price £3 12s. 6d. Set of hoes for ditto, 10s. 6d. extra.

4751—Improved First Prize Zigzag Tine Harrows, No. 3; manufactured by the Exhibitors. Price £4 5s. For 2 or 3 horses; average weight 2 cwt. 1 qr.; width of cut 10 ft. No. 2 harrows, £3 15s.; No. 1 harrows, £3 3s. Have gained five First Prizes since 1874, being all for which they have competed.

4752—(*New Implement.*)—Newly Designed Zigzag Tine Harrow, No. 3 A; manufactured by the Exhibitors. Price £4 7s. 6d.

4753—Royal First Prize Lever Cultivator, with Seven Tines, No. 2; manufactured by the Exhibitors. Price £10 2s. Mounted on four strong wheels, frame of wrought iron; tines easily adjusted and fitted with cast chilled points; shares from 4 in. to 12 in. wide extra.

4754—Improved Hinged Frame Cultivator, with Lever Tines, No. 2 A; manufactured by the Exhibitors. Price £8 10s. Frame of wrought iron, mounted on 4 strong wheels, and fitted with wrought-iron steeled tines; easily adjusted.

4755—Improved Cambridge Pattern Clod Crusher; manufactured by the Exhibitors. Price £15 15s. 7 ft. wide, 24 in. diam., 2 in. rings. Fitted with portable grease boxes and draught irons for three horses abreast. Seat for driver, £1 extra.

4756—Improved Cambridge Pattern Clod Crusher; manufactured by the Exhibitors. Price £11 5s. 6 ft. 6 in. wide, 20 in. diam., 3 in. rings. Fitted as Article No. 4755.

4757—Royal First Prize Improved “Segment” Pattern Land Roller; manufactured by the Exhibitors. Price £15 15s. 7 ft. wide, 26 in. diam., rings 6 in. wide. This roller is much easier to turn at headlands, and does not tear up the crops as do the old pattern rollers in one or two parts; fitted with grease boxes as Article No. 4755; double shafts, £1 5s. extra.

4758—Royal First Prize Improved “Segment” Pattern Land Roller; manufactured by the Exhibitors. Price £10. 6 ft. 6 in. wide, 18 in. diam., rings 6 in. wide. Fitted with new brackets and ironwork for three horses abreast.

4759—Improved Roller Bracket; manufactured by the Exhibitors. Price 15s. Fitted with portable box of hard metal with receptacle for grease, and which can be easily replaced by a farm labourer. Applied in all Exhibitors’ Cambridge and “Segment” rollers.

4760—“Segment” Pattern Land Roller Rings, 14 In. to 26 In. Diam., 6 In. Wide; manufactured by the Exhibitors. Price from 5s. to 13s. 6d.

4761—Cambridge Pattern Clod Crusher Rings, from 14 In. to 26 In. Diam., 3 In. Wide; manufactured by the Exhibitors. Price from 2s. 6d. to 6s. 6d.

4762—Cambridge Pattern Clod Crusher Rings, from 14 In. to 26 In. Diam., 2 In. Wide; manufactured by the Exhibitors. Price from 2s. 6d. to 6s. 6d.

4763—First Prize Three Horse Equalizing Whippetree; manufactured by the Exhibitors. Price £1 5s. For simplicity and perfection in working this whippetree is unequalled.

4764—Improved Two-Horse Tubular Iron Whippetree; manufactured by the Exhibitors. Price 18s. 6d.

4765—Improved Two-Horse Whippletree, with Wood Bars; manufactured by the Exhibitors. Price 15s.

4766—Royal and Paris Exhibition (1878) First Prize Two-Row Ridge Turnip and Mangold Cup Drill, with Shafts; manufactured by the Exhibitors. Price £8 5s. Fitted with improved cast concave and corning rollers; hilly land and throw-out gear, and all recent improvements.

4767—Royal First Prize Two-Row Ridge Turnip and Mangold Cup Drill, with Large Driving-Wheel at Front; manufactured by the Exhibitors. Price £5 15s. Fitted with improved cast-iron adjustable concave rollers, cast chilled coulters, and all the latest improvements.

4768—Improved First Prize Double-Row Turnip and Mangold Ridge Drill; manufactured by the Exhibitors. Price £6 15s.

4769—Single-Row Turnip and Mangel Cup Drill; manufactured by the Exhibitors. Price £3 10s.

4770—Royal First Prize Clover and Seed Broadcast Barrow Drill, 12 Ft. Wide; manufactured by the Exhibitors. Price £3 12s. 6d. Fitted with rack and pinion arrangement for regulating the whole of the slides at once, whereby uniformity in sowing is obtained. This drill has gained 35 First Prizes since 1870. Drills of any width made to order.

4771—R. A. S. E. Double-Box Clover and Seed Barrow Broadcast Drill, 12 Ft. Long; manufactured by the Exhibitors. Price £5 15s. Draught irons for pony, 2s. 6d. extra.

4772—Royal First Prize Medal "Unrivalled" Single-Row Horse or Turnip Hoe for Ridge and Flat; manufactured by the Exhibitors. Price £2 15s. Fitted with cast-iron front tine, on which shares from 3 in. to 15 in. may be applied. Two wrought-iron steeled side cutters, and time and chain harrows. Has gained every prize for which it has competed since 1874. Beat twenty-two implements at the protracted Royal Trials at Bedford, 1874.

4773—Royal and Paris Exhibition (1878) First Prize "Unrivalled" Single-Row Turnip Scuffle and Scarifier, тн; manufactured by the Exhibitors. Price £2 8s. 6d. Same as Article No. 4772, but without tine and chain harrows; ridging body, £1 extra.

4774—Royal and Paris Exhibition (1878) First Prize "Unrivalled" Combined Horse or Turnip Hoe and Ridging Plough, т а; manufactured by the Exhibitors. Price £3 10s. Fitted with front cast tine, two wrought-steeled side tines, and two steeled cutters, tine and chain harrows. This implement is the simplest, and strongest of its class, and has been sold to Her Most Gracious Majesty the Queen. Ridging body, £1 extra.

4775—Paris Exhibition (1878) First Prize Turnip Hoe for Ridge and Flat, т а; manufactured by the Exhibitors. Price £3 17s. 6d. Same as Article No. 4774, but fitted with swivel and copul to wheel. Patronised by the Jury of the Paris Exhibition, 1878. Thousands of these horse hoes are in use all over the world.

4776—R. A. S. E. First Prize Adjustable Horse or Turnip Hoe, в т н; manufactured by the Exhibitors. Price £3 17s. 6d. Beat 24 implements of all reputed makers at the great Royal Trials at Bedford, 1874.

4777—(New Implement.)—New Patent Manual Delivery One-Horse Reaping and Clover-Mowing Machine; manufactured by the Exhibitors. Price £18 10s. This machine embodies the new "reciprocating screw" driving gear, as in Article No. 4775; is very efficient in working, while the wear and tear and power required when in use, is reduced to a minimum. Swathing apparatus, £1 10s. extra.

4778—Improved Swathing Apparatus for Delivering Barley, Clover, &c., in Swath; manufactured by the Exhibitors. Price £1 10s. Can be fitted to any reaper, and is guaranteed to work satisfactorily.

4779—Royal First Prize Improved "Holdfast" Mower and Reaper Sickle and Knife Stand; manufactured by the Exhibitors. Price 10s. 6d. Fitted with claw legs, by extending which the knife is firmly held for sharpening; has receptacle for files and tools. Can be used for riveting on sections, and folds up for convenience in transit. Malleable combined hammer and spanner supplied with each.

4780—New Pattern "Balance" Weighing Machine, with Wood Platforms; manufactured by the Exhibitors. Price £2 12s. 6d. Set of cast-iron stamped weights for ditto, £1 10s. 6d.

4781—Royal First Prize Combined Grubber, Subsoil and Ridging Plough, &c.; manufactured by the Exhibitors. Price £3 10s. Fitted with strong cast-iron front tine and four wrought-steel adjustable side tines. For grubbing and subsoiling between the rows of potatoes, turnips, &c., this implement has no rival. Beat fifteen grubbers by all the best makers at Bedford Royal Trials, 1874. Ridging body, £1 extra.

4782—Improved Cartwright's Patent General Purpose Machine-Made Chain Harrow; manufactured by the Exhibitors. Price £3 5s.

4783—(*New Implement.*)—New Patent Two-Horse Grass-Mowing Machine; manufactured by the Exhibitors. Price £20 10s. The "reciprocating screw" driving gear of this machine is quite new, and by its introduction all cog, tooth, and crank wheels are entirely dispensed with, wear and tear are considerably decreased, and great economy in working is effected. This machine also contains several other important improvements.

4784—(*New Implement.*)—New Patent Two-Horse Grass-Mowing Machine; manufactured by the Exhibitors. Price £19 10s. Similar in design to Article No. 4783, but with modified details.

4785—Royal First Prize Medal American Horse Rake, No. 2, with 15 Teeth; manufactured by the Exhibitors. Price £2.

Stand No. 182. — *Henry Denton, of St. Peter's Iron Works, Wolverhampton, Staffordshire.*

Article 4786—Chain Harrow, 5 Ft. by 7 Ft. 6 In.; manufactured by the Exhibitor. Price £2 5s. Heavy, made by patent machinery.

4787—Chain Harrow, 6 Ft. by 7 Ft. 6 In.; manufactured by the Exhibitor. Price £2 15s. Heavy, made as above.

4788—Chain Harrow, 7 Ft. 6 In. by 7 Ft. 6 In.; manufactured by the Exhibitor. Price £3 5s. Heavy, made as above.

4789—Chain Harrow, 8 Ft. 6 In. by 7 Ft. 6 In.; manufactured by the Exhibitor. Price £4. Heavy, made as above, with flexible expanders.

4790—Chain Harrow, 5 Ft. by 7 Ft. 6 In.; manufactured by the Exhibitor. Price £2. General purpose, made as above.

4791—Chain Harrow, 6 Ft. by 7 Ft. 6 In.; manufactured by the Exhibitor. Price £2 10s. General purpose, made as above.

4792—Chain Harrow, 7 Ft. 6 In. by 7 Ft. 6 In.; manufactured by the Exhibitor. Price £3. General purpose, made as above.

4793—Chain Harrow, 8 Ft. by 7 Ft. 6 In.; manufactured by the Exhibitor. Price £3 10s. General purpose, made as above.

4794—Patent Grass Harrow, to Cover 6 Ft.; manufactured by the Exhibitor. Price £3. Made with best steel teeth.

4795—Patent Grass Harrow, to Cover 8 Ft. 6 In.; manufactured by the Exhibitor. Price £4. Made as above.

4796—Combined Patent Grass Harrow, to Cover 6 Ft.; manufactured by the Exhibitor. Price £3 5s. Made as above, with ordinary chain harrow attached.

4797—Clod Crusher, 6 Ft. 6 In. by 24 In. Diameter; manufactured by the Exhibitor. Price £12. Made with improved brackets.

4798—Land Roller, Cast Iron, 6 Ft. 6 In. by 20 In. Diameter; manufactured by the Exhibitor. Price £10 10s. Fitted as above.

4799—Wrought-Iron Land Roller, 7 Ft. by 18 In. Diameter; manufactured by the Exhibitor. Price £9. Fitted as above.

4800—Assortment of Wrought-Iron Cylinders for Land Rollers; manufactured by the Exhibitor. Price £1 and £1 2s. per cwt. Fitted with improved ends and renewable bushes.

4801—Turnip Hoe and Grubber, No. 1; manufactured by the Exhibitor. Price £3. The most effective implement in the trade.

4802—Turnip Hoe and Grubber, No. 3; manufactured by the Exhibitor. Price £2 15s. As above.

4803—Universal Hoe for Roots, &c.; manufactured by the Exhibitor. Price £2 5s. Fitted with steel blades and chilled points.

4804—Improved Horse Gear and Intermediate Motion; manufactured by the Exhibitor. Price £13 10s. With wrought-iron levers; the strongest, simplest, and the most durable horse gear made.

4805—Riche's Patent Reaper and Mower Knife Sharpener; manufactured by the Exhibitor. Price £2 17s. 6d. This machine produces a thoroughly sharp knife for mowing and reaping machines, dispensing with files or grindstones.

4806—Grindstone for Reaper Knives, &c.; manufactured by the Exhibitor. Price £2. Wrought-iron frame and Nova Scotia stone.

4807—Grindstone for Reaper Knives, &c.; manufactured by the Exhibitor. Price £1 15s. As above, with English stone.

4808—Vice for Holding Reaper and Mower Knives; manufactured by the Exhibitor. Price 8s. Can be used as an anvil for riveting upon.

4809—Vice for Holding Reaper and Mower Knives; manufactured by the Exhibitor. Price 10s. 6d. As above.

4810—Vice for Holding Reaper and Mower Knives; manufactured by the Exhibitor. Price 12s. 6d. As above.

4811—Sack Truck; manufactured by the Exhibitor. Price £1 10s. Made of wrought iron, with high wheels for rickyards, &c.

4812—Pair of Roller Brackets; manufactured by the Exhibitor. Price £1. Fitted with improved grease boxes and renewable bushes.

4813—Garden Roller, Double Cylinder, 24 In. Diameter by 24 In. Wide; manufactured by the Exhibitor. Price £4 10s.

Stand No. 183.—*E. Page and Co., of Victoria Iron Works, Bedford.*

Article 4814—Improved Portable Brick-Making Machine, x l; invented and manufactured by the Exhibitors. Price £90. For steam or horse power. The bricks are made from the clay at one operation, no previous pugging being required. If with Murray's Patent Stage, £22 extra. Production 10,000 to 12,000 per day.

4815—Improved Portable Brick, Drain-Pipe and Tile-making Machine, No. 4; manufactured by the Exhibitors. Price £22. For hand power. Will make all kinds of roofing-tiles, ridge-tiles, paving-bricks, gutter-tiles, solid and perforated bricks, drain pipes up to 12 in. diameter. Can be easily worked by a man.

4816—Improved Portable Drain-Pipe and Tile-making Machine, No. 1; manufactured by the Exhibitors. Price £14 14s. For hand power. Will make drain-pipes up to 6 in. diameter, roofing-tiles, paving-bricks, &c. Easily worked by a lad.

4817—Improved Clay Pugging Mill, No. 2; manufactured by the Exhibitors. Price £17 17s. Can be taken to pieces and packed in very small compass. Intended for use with Articles Nos. 4815 and 4816. For horse power.

4818—Improved Wrought-Iron Field Roller, No. 1; manufactured by the Exhibitors. Price £7. The frames and cylinders are of wrought-iron. Size 6 ft. 6 in. by 12 in. diameter. If with driver's seat, 10s. extra.

4819—Improved Wrought-Iron Cylinder Field Roller, No. 4; manufactured by the Exhibitors. Price £9. Size 6 ft. 6 in. by 18 in. diameter.

4820—Patent Horse Rake, H R 28, with 28 Patent Oval Steel Teeth; manufactured by the Exhibitors. Price £8 10s. Easily worked by a lad.

4821—Patent Horse Rake, H R s, with 26 Patent Oval Steel Teeth and Driver's Seat; manufactured by the Exhibitors. Price £10.

4822—Pair of R. A. S. E. Hull First Prize Patent-Handled Drag Harrows, w; manufactured by the Exhibitors. Price £5 15s. Fitted with adjustable tines and patent malleable iron sockets; suitable for four or six horses. Covering 8 ft.

4823—Pair of Patent-Handled Drag Harrows, s; manufactured by the Exhibitors. Price £4 15s. Fitted with adjustable tines and malleable iron sockets. Suitable for three or four horses. Covering 7 ft.

4824—Patent Triangular-Handled Drag Harrow, w; manufactured by the Exhibitors. Price £3 10s. Fitted with adjustable duck-foot tines and malleable iron sockets. Covers 4 ft. 5 in.

4825—Pair of Light Twitch Harrows, No. 8; manufactured by the Exhibitors. Price £4. Fitted with handles and improved shaped tines. Covering 7 ft.

4826—Improved Patent Adjustable Lever Drag Harrow, w, Mounted on Three Wheels; manufactured by the Exhibitors. Price £6 5s. Width 6 ft., fitted with 19 tines, adjustable to various depths.

4827—Set of Diagonal Iron Seed Harrows, No. o; manufactured by the Exhibitors. Price £2 7s. 6d. Covers 7 ft. 9 in.

4828—Set of Diagonal Iron Light Land Harrows, No. 1; manufactured by the Exhibitors. Price £3 10s. Covers 8 ft. 3 in.

4829—Set of General Purpose Diagonal Iron Harrows, No. 2; manufactured by the Exhibitors. Price £4. Covers 9 ft. 3 in.

4830—Improved 7-Tine Wrought Lever Scuffler; manufactured by the Exhibitors. Price £6 6s. Fitted with four wheels and steerage.

4831—Improved One-Row Turnip and Bean Hoe, N 1; manufactured by the Exhibitors. Price £2 2s. With one wheel and three steel blades. Moulding body, 17s. 6d. extra.

4832—Improved One-Row Turnip and Corn Hoe, H H 2; manufactured by the Exhibitors. Price £2 17s. 6d. With two wheels, universal steerage, and three steel blades. Set of four wheat hoes and stems, 12s. extra.

4833—Combined Expanding Horse Hoe, 5-Tined Grubber and Moulding Plough, C H H; manufactured by the Exhibitors. Price £4 17s. 6d. A most economical arrangement for small occupiers. Potato raiser, £1 extra.

4834—Expanding Horse Hoe, E; manufactured by the Exhibitors. Price £3.

4835—Double-Furrow Plough, P C; manufactured by the Exhibitors. Price £9 10s. Fitted with steel breasts and skim coulters. Suitable for light and medium soils. Steel skeiths, 15s. each extra.

4836—General Purpose Plough, M P 1; manufactured by the Exhibitors. Price £4 15s. With two wheels and steel breast. Skim coulters, 5s. extra.

4837—Light Land Plough, A 24; manufactured by the Exhibitors. Price £3 15s. With two wheels and steel breast. Skim coulters, 5s. extra.

4838—Pony Plough, L; manufactured by the Exhibitors. Price £2 5s. With one wheel and steel breast.

4839—Chaff-Cutter for Steam, Horse or Hand Power, Y 10, No. 15; manufactured by the Exhibitors. Price £11 11s. Mouthpiece 10 in. wide, cuts three lengths of-chaff. An excellent machine for general farm work.

4840—Chaff-Cutter for Hand Power, No. 10; manufactured by the Exhibitors. Price £2 10s. Mouthpiece 8 in. wide.

4841—Chaff-Cutter for Hand Power, No. 9 A; manufactured by the Exhibitors. Price £2 12s. 6d. Cuts two lengths of chaff.

4842—Improved Oat Mill, No. 0; manufactured by the Exhibitors. Price £2 12s. 6d. Mounted on wood frame.

4843—Bean and Maize Kibbling Mill, No. 1; manufactured by the Exhibitors. Price £3. Mounted on strong wood frame.

4844—Oat and Maize Mill, No. 2; manufactured by the Exhibitors. Price £3 5s. Mounted on strong wood frame.

4845—Oat and Maize Mill, No. 2 A; manufactured by the Exhibitors. Price £3 17s. 6d. Mounted on iron frame, with heavy fly-wheel and two handles.

4846—Improved Linseed Cake Mill, L C 14; manufactured by the Exhibitors. Price £3 17s. 6d. 14 in. wide, fitted with falling lids; breaks seven different sizes.

4847—Improved Linseed Cake Mill, L C 12; manufactured by the Exhibitors. Price £3 12s. 6d. Fitted with falling lids; breaks seven different sizes.

4848—Root Pulper, No. 4; manufactured by the Exhibitors. Price £2 15s. Mounted on wood frame.

4849—Root Pulper, No. 2, H D; manufactured by the Exhibitors. Price £3 15s. Mounted on wood frame.

4850—Horse Gear, H; manufactured by the Exhibitors. Price £7 7s. With increasing motion on the same frame. Suitable for a horse or strong pony.

4851—Patent Galvanized Corrugated Iron Sheep or Water Trough; manufactured by the Exhibitors. Price £1 8s. 6d. 8 ft. long with top rail, wheels and handle.

4852—Patent Galvanized Corrugated Iron Pig Trough; manufactured by the Exhibitors. Price 14s. 4 ft. long.

4853—Set of Pair-Horse Wood Whippetrees; manufactured by the Exhibitors. Price 11s. 6d.

4854—Set of Pair-Horse Tubular Iron Whippetrees; manufactured by the Exhibitors. Price 17s.

Stand No. 184.—*A. G. Mumford, of Colchester, Essex.*

Article 4855—Patent Self-Acting Seed Separator; manufactured by the Exhibitor. £6 6s.

4856—Patent Seed Separator, with Fan; manufactured by the Exhibitor. Price £9 9s.

4857—Patent Seed Separator, with Fan, Large Size; manufactured by the Exhibitor. Price £10 10s.

Stand No. 185.—*John Williams and Son, of the Phoenix Iron Works, Rhuddlan, near Rhyl, Flintshire.*

Article 4858—Chaff Cutter, No. 00; manufactured by the Exhibitors. Price £2 5s.

4859—Chaff Cutter, No. 0; manufactured by the Exhibitors. Price £2 10s.

4860—Chaff Cutter, No. 01; manufactured by the Exhibitors. Price £2 12s. 6d.

4861—Chaff Cutter, No. 0 A; manufactured by the Exhibitors. Price £3. With treadle.

4862—(*New Implement.*)—Chaff Cutter, No. 0 B; manufactured by the Exhibitors. Price £2 12s. 6d. Rising mouth.

4863—(*New Implement.*)—Chaff Cutter, No. 0 C; manufactured by the Exhibitors. Price £3. Rising mouth; cuts two lengths.

4864—Chaff Cutter, No. 1; manufactured by the Exhibitors. Price £4 5s.

4865—Chaff Cutter, No. 1 A; manufactured by the Exhibitors. Price £4 7s. 6d.

4866—Chaff Cutter, No. 8 C; manufactured by the Exhibitors. Price £7 10s.

4867—Chaff Cutter, No. 8; manufactured by the Exhibitors. Price £10 2s. 6d.; pulleys extra.

4868—Chaff Cutter, No. W P 1; manufactured by the Exhibitors. Price £5 15s.

4869—Chaff Cutter, No. W P 2; manufactured by the Exhibitors. Price £7 12s. 6d.

4870—Chaff Cutter, No. W P 3; manufactured by the Exhibitors. Price £9; pulleys extra.

4871—Chaff Cutter, No. W P 4; manufactured by the Exhibitors. Price £11; pulleys extra.

4872—Chaff Cutter, No. W P 5; manufactured by the Exhibitors. Price £14; pulleys extra.

4873—Chaff Cutter, No. W P 6; manufactured by the Exhibitors. Price £15 5s.; pulleys extra.

4874—Chaff Cutter, No. W P 7; manufactured by the Exhibitors. Price £18; pulleys extra.

4875—Disc Root Pulper, No. 00 A; manufactured by the Exhibitors. Price £3 2s. 6d.

4876—Disc Root Pulper, No. 00 B; manufactured by the Exhibitors. Price £3 7s. 6d.

4877—Disc Root Pulper, No. 00 c; manufactured by the Exhibitors. Price £3 12s. 6d.

4878—Disc Root Pulper, No. 3 x; manufactured by the Exhibitors. Price £4 4s.

4879—Disc Root Pulper, No. 5; manufactured by the Exhibitors. Price £5; pulley extra.

4880—Disc Slicer, No. 0; manufactured by the Exhibitors. Price £3 7s. 6d.

4881—Disc Root Slicer, No. 2 B; manufactured by the Exhibitors. Price £4 15s.; pulley extra.

4882—Double-Action Pulper and Slicer, No. 5 A; manufactured by the Exhibitors. Price £5 5s.

4883—Double-Action Pulper and Slicer, No. 6; manufactured by the Exhibitors. Price £5 10s.

4884—Double-Action Turnip Cutter, for Sheep; manufactured by the Exhibitors. Price £5 10s.

4885—Oil-Cake Mill, No. 1; manufactured by the Exhibitors. Price £3 5s.

4886—Oil-Cake Mill, No. 1 A, 15-In. Mouth; manufactured by the Exhibitors. Price £3 10s.

4887—Oil-Cake Mill, No. 2; manufactured by the Exhibitors. Price £7. With two pair rollers; pulley extra.

4888—Pony Gear, with Two Speeds; manufactured by the Exhibitors. Price £7.

4889—Horse Gear, with Two Speeds; manufactured by the Exhibitors. Price £8. Intermediate for ditto, £2 extra.

4890—1-Horse Gear, with Three Speeds; manufactured by the Exhibitors. Price £10.

4891—2-Horse Gear; manufactured by the Exhibitors. Price, with intermediate motion and 2 pulleys, £16.

4892—1-Horse "Britannia" Mower; manufactured by the Exhibitors. Price £17 10s.

4893—2-Horse "Princess" Mower, 4-Ft. 3-In. Bar; manufactured by the Exhibitors. Price £18 10s.

4894—2-Horse "Princess" Combined Mower and Reaper; manufactured by the Exhibitors. Price £22.

4895—2-Horse "Victoria" Mower, 4-Ft. 3-In. Bar; manufactured by the Exhibitors. Price £19 10s.

4896—2-Horse "Victoria" Combined Mower and Reaper, 4-Ft. 6-In. Bar; manufactured by the Exhibitors. Price £23.

4897—(*New Implement.*)—1-Horse "Phoenix" Manual-Delivery Reaper; manufactured by the Exhibitors. Price £15 10s.

4898—(*New Implement.*)—2-Horse "Phoenix" Manual-Delivery Reaper; manufactured by the Exhibitors. Price £17.

4899—(*New Implement.*)—1-Horse "Phoenix" Reaper, Self-Acting Back Delivery; manufactured by the Exhibitors. Price £22.

4900—(*New Implement.*)—1-Horse "Phoenix" Self-Raking Reaper; manufactured by the Exhibitors. Price £24.

4901—1-Row Turnip and Mangel Drill; manufactured by the Exhibitors. Price £3 6s.

4902—American Hay Collector, 12 Teeth; manufactured by the Exhibitors. Price £1 15s.

4903—American Hay Collector, 15 Teeth; manufactured by the Exhibitors. Price £2.

Stand No. 186.—*Coleman and Morton, of London Road Iron Works, Chelmsford, Essex.*

Article 4904—Prize Cultivator, with Five Tines (marked No. 15); manufactured by the Exhibitors. Price £6 10s. For two light horses. Suitable for small occupiers.

4905—Prize Cultivator, with Five Tines (marked No. 5 B); manufactured by the Exhibitors. Price £7. For light land and a pair of horses.

4906—Prize Cultivator, with Five Tines (marked No. 5); manufactured by the Exhibitors. Price £8 2s. 6d. For mixed soils. Fitted with patent double front wheels. If with one front wheel £8.

4907—Prize Cultivator, with Five Tines (marked No. 6); manufactured by the Exhibitors. Price £8 15s. For general purposes. These cultivators have won 150 Royal and other First Prizes.

4908—Prize Cultivator, with Five Tines (marked No. 7); manufactured by the Exhibitors. Price £10. With side levers for uneven ground. A strong implement. Double front wheels 2s. 6d. extra.

4909—Prize Cultivator, with Seven Tines (marked No. 8 B); manufactured by the Exhibitors. Price £10 10s. The Royal Society's prize cultivator for light land.

4910—Prize Cultivator, with Seven Tines (marked No. 8); manufactured by the Exhibitors. Price £11 10s. A strong and wide implement for four horses.

4911—Prize Cultivator, with Nine Tines (marked No. 8 c); manufactured by the Exhibitors. Price £11 15s. Fitted with nine tines and double front wheels. Very suitable for export.

4912—Prize Cultivator, with Seven Tines (marked No. 9); manufactured by the Exhibitors. Price £14. Royal Society's First Prize cultivator at four meetings.

4913—Prize Cultivator, with Five Tines (marked No. 7 A); manufactured by the Exhibitors. Price £11. Arranged for cutting up the wheel tracks.

4914—Improved Turn-Round Steam Cultivator; manufactured by the Exhibitors. Price £27 10s. Can also be worked on the double-engine system.

4915—Patent Hop Cultivator; manufactured by the Exhibitors. Price £6. Steady in work and easy to manage.

4916—Improved Water Cart, to hold 80 Gallons; manufactured by the Exhibitors. Price £11 10s. Suitable for a pony or donkey. Pump attached, if required.

4917—Improved Water or Liquid-Manure Cart, to hold 100 Gallons; manufactured by the Exhibitors. Price £13. Fitted with pump and distributor, if required.

4918—Improved Water or Liquid-Manure Cart, to hold 150 Gallons; manufactured by the Exhibitors. Price £22 7s. Complete with pump, hose, and distributor.

4919—Improved Water Cart, to hold 150 Gallons; manufactured by the Exhibitors. Price £18. Fitted with wrought-iron wheels and tap outlet 3 ft. 3 in. from the ground.

4920—Improved Water or Liquid-Manure Cart, to hold 190 Gallons; manufactured by the Exhibitors. Price £23 7s. Paris Exhibition Prize Cart. Fitted complete as Article No. 4918.

4921—Extra-Strong Street Watering Cart, to hold 200 Gallons; manufactured by the Exhibitors. Price £24. Mounted on strong wood wheels. Fitted with spreader and seat for driver.

4922—Improved Water Cart for Steam Cultivation; manufactured by the Exhibitors. Price £27. Outlet 2 ft. 8 in. high. Fitted with pump, hose, and strong wood wheels.

4923—Improved Tumbler or Sanitary Cart, to hold 200 Gallons; manufactured by the Exhibitors. Price £28 10s. For general sanitary purposes.

4924—Improved Hand Water Cart; manufactured by the Exhibitors. Price £6. Holds 35 gallons. Fitted with spreader.

4925—Improved Hand Water Cart and Garden Engine; manufactured by the Exhibitors. Price £8. Complete with spreader and powerful force pump.

4926—Royal First Prize Hop Syringing Machine; manufactured by the Exhibitors. Price £10. Holds 35 gallons. Obtained First and only Prize at Wolverhampton Meeting.

4927—Patent Adjustable Rotary Corn Screen and Seed Separator; manufactured by the Exhibitors. Price £14 14s. For taking out dirt and small grain from the good. Awarded eight Silver Medals.

4928—Patent Adjustable Rotary Corn Screen, with Blower; manufactured by the Exhibitors. Price £18. These screens may be set coarser or finer as required.

4929—Patent Prize Oilcake Cutter, No. 2 A; manufactured by the Exhibitors. Price £3 10s. Obtained First Prize at the Paris Exhibition, 1867.

4930—Patent Prize Oilcake Cutter, No. 1; manufactured by the Exhibitors. Price £4 10s.; pulley, 10s. extra. For hand, horse, or steam power.

4931—Patent Horse Pitchfork or Elevator, No. 1; manufactured by the Exhibitors. Price £2 12s. For saving labour in stacking hay, straw, or loose corn.

4932—Patent Horse Pitchfork or Elevator, No. 2; manufactured by the Exhibitors. Price £3. Arranged for using with rick cloth over the stack.

4933—Set of Improved Wood Whippetrees; manufactured by the Exhibitors. Price 16s. Very strong; suitable for 2 horses.

4934—Set of Improved 3-Horse Equalising Whippetrees; manufactured by the Exhibitors. Price £1 2s. For working 3 horses abreast.

4935—Samples of Shares, in Iron and Steel; manufactured by the Exhibitors. Price, from 5s 6d. per dozen. For Coleman's cultivators, and for all kinds of work.

4936—Working Model of Patent Double Circulating Boiler; manufactured by the Exhibitors. Price £15. With glass ends to show circulation of water.

Stand No. 187.—*W. and C. Woolnough and Co., of the Ceres Iron Works, Kingston-on-Thames, Surrey.*

Article 4937—First Prize 15-Row Suffolk Corn Drill, 8 Ft. Wide; manufactured by the Exhibitors. Price £37 15s. Fitted with the latest patented improvements.

4938—First Prize 12-Row Suffolk Corn Drill, 7 Ft. Wide; manufactured by the Exhibitors. Price £33 10s. Fitted with the latest patented improvements.

4939—First Prize 10-Row Suffolk Corn Drill, 6 Ft. Wide; manufactured by the Exhibitors. Price £29 6s. Fitted with the latest patented improvements.

4940—First Prize 13-Row Middlesex Corn Drill, 7 Ft. Wide; manufactured by the Exhibitors. Price £32 10s. Fitted with the latest patented improvements.

4941—First Prize 12-Row Surrey Corn Drill, 6 Ft. 6 In. Wide; manufactured by the Exhibitors. Price £34 10s. Fitted with a grass seed box behind for sowing broadcast, and with the latest patented improvements.

4942—First Prize 11-Row Surrey Corn Drill, 6 Ft. Wide; manufactured by the Exhibitors. Price £29 5s. Fitted with new telescopic seed conductors, and patented improvements.

4943—First Prize 9-Row Surrey Corn Drill, 5 Ft. Wide; manufactured by the Exhibitors. Price £28. Fitted with new seed delivery and telescopic conductors, and patented improvements.

4944—First Prize 9-Row Norfolk Corn Drill, 5 Ft. Wide; manufactured by the Exhibitors. Price £24 5s. Fitted with the latest patented improvements.

4945—Anglo-American Corn Drill, 6 Ft.; manufactured by the Exhibitors. Price £26 10s. Fitted with grass seed box for sowing broadcast.

4946—Improved Broadcast Sowing Machine, for Corn and Seeds, 9 Ft. Wide; manufactured by the Exhibitors. Price £14 10s.

4947—First Prize Manure Distributor, 7 Ft. Wide ; manufactured by the Exhibitors. Price £18 10s. Fitted with the latest patented improvements.

4948—First Prize 3-Row Seed and Manure Drill ; manufactured by the Exhibitors. Price £27 10s. Fitted with patent barrel and scrapers, and latest improvements.

4949—First Prize 5-Row Seed and Manure Drill ; manufactured by the Exhibitors. Price £36 10s. Fitted with patent barrel and scrapers, and latest improvements.

4950—First Prize 9-Row General Purpose Drill ; manufactured by the Exhibitors. Price £39. Fitted with patent barrel and scrapers, and latest improvements.

4951—First Prize Heavy Land Horse Hoe, 8 Ft. ; manufactured by the Exhibitors. Price £26. Fitted with patent side levers and parallel roller motion.

4952—First Prize Heavy Land Horse Hoe, 7 Ft. ; manufactured by the Exhibitors. Price £25. Fitted with patent side levers and parallel roller motion.

4953—First Prize Mixed Soil Horse Hoe, 6 Ft. ; manufactured by the Exhibitors. Price £18 15s. Fitted with patent gear for regulating the depth of cut, with parallel motion, &c.

4954—Improved Double Beam Horse Hoe ; manufactured by the Exhibitors. Price £9 17s. 6d. Fitted with patent blades, stems, &c.

4955—Improved 5-Tine Horse Hoe ; manufactured by the Exhibitors. Price £3 15s. Fitted with patent blades, stems, &c.

4956—Improved 3-Tine Horse Hoe ; manufactured by the Exhibitors. Price £2 15s. Fitted with patent blades, stems, &c.

4957—New Vertical Corn-Grinding or Grist Mill and Stand ; manufactured by the Exhibitors. Price £16 16s. Fitted with 20-in. French burr stones, for grinding all classes of corn into meal or flour.

4958—(*New Implement.*)—New Patent Kingston Sheaf Binder ; manufactured by the Exhibitors. Price £30. Fitted to work alongside an ordinary self-delivery reaping machine.

4959—(*New Implement.*)—New Patent Combined Kingston Sheaf Binder ; manufactured by the Exhibitors. Price £35. Fitted to work with an ordinary self-delivery reaping machine, or independently, by picking up the grain and binding it into sheaves.

4960—New Self-Delivery Reaper for Two Horses ; manufactured by the Exhibitors. Price £32. For attaching to new sheaf binder.

Stand No. 188.—*Picksley, Sims, and Co. (Limited), of Bedford Foundry, Leigh, Lancashire.*

Article 4961—Chaff Cutter, marked "D O ;" manufactured by the Exhibitors. Price £2 3s. 6d.

4962—Chaff Cutter, marked "D ;" manufactured by the Exhibitors. Price £2 6s.

4963—Chaff Cutter, marked "D G ;" manufactured by the Exhibitors. Price £2 10s. 6d. Rising mouth 8 in. wide.

4964—Chaff Cutter, marked "D G A ;" manufactured by the Exhibitors. Price £2 18s. Cuts 2 lengths, rising mouth 8 in. wide.

4965—Chaff Cutter, marked "D H;" manufactured by the Exhibitors. Price £3 18s. Cuts 2 lengths; has a rising mouth 9½ in. wide, and is fitted with a heavy fly-wheel 2 ft. 10 in. diam.

4966—Chaff Cutter, marked "D H;" manufactured by the Exhibitors. Price £4 3s. Similar to the preceding, but fitted with an extra large and massive fly-wheel, 3 ft. 6 in. diam.

4967—Chaff Cutter, marked "D K;" manufactured by the Exhibitors. Price £5 18s. 6d. Has fly-wheel inside frame; cuts 2 lengths; rising mouth 9½ in. wide.

4968—Chaff Cutter, marked "D J;" manufactured by the Exhibitors. Price £7 5s. Cuts 2 lengths; fitted with the patent clutch gear; adapted for hand or power; rising mouth 9½ in. wide.

4969—Chaff Cutter marked "4 X;" manufactured by the Exhibitors. Price £9 15s. Fitted with the patent clutch gear and a heavy fly-wheel and 3 knives; rising mouth 9½ in. wide.

4970—Royal Oxford Prize Chaff Cutter, marked "6 X L;" manufactured by the Exhibitors. Price £16. Fitted with all the latest improvements, and has a heavy fly-wheel and 3 knives.

4971—Post Bruising and Grinding Mill, No. 1; manufactured by the Exhibitors. Price £3 7s. 6d.

4972—Oat and Bean Bruising and Grinding Mill, No. 2; manufactured by the Exhibitors. Price £5 12s. 6d. For hand power.

4973—Oat and Bean Bruising and Grinding Mill, No. 4; manufactured by the Exhibitors. Price £8 15s. For power only.

4974—Steel Bruising, Splitting, and Kibbling Mill, No. 6; manufactured by the Exhibitors. Price £4 17s. 6d.

4975—Steel Bruising, Splitting, and Kibbling Mill, No. 7; manufactured by the Exhibitors. Price £6 17s. 6d.

4976—New Grist and General Grinding Mill, marked "H R M;" manufactured by the Exhibitors. Price £11 15s. For 1-horse power. Fitted with special and improved cog-wheel gearing for being driven direct from a horse gear without pulleys. Adapted for bruising, splitting, or grinding to a meal or flour any kind of grain or pulse.

4977—Grist and General Grinding Mill, marked "H S M;" manufactured by the Exhibitors. Price £11 10s. Similar to article No. 4976, but for 2-horse power, and without the cog-wheel gearing.

4978—Grist and General Grinding Mill, marked "H M M;" manufactured by the Exhibitors. Price £12. Similar to the H S M mill, but larger, and adapted for 3-horse power.

4979—Grist and General Grinding Mill, marked "H G M;" manufactured by the Exhibitors. Price £14. Similar to the H M M mill, but larger, and adapted for 4-horse power.

4980—Oil-Cake Breaker, marked "1 B;" manufactured by the Exhibitors. Price £2 7s. 6d.

4981—Oil-Cake Breaker, marked "O E" manufactured by the Exhibitors. Price £3. Breaks 6 sizes.

4982—Oil-Cake Breaker, marked "O F;" manufactured by the Exhibitors. Price £3 7s. 6d. Breaks 6 sizes and has a mouth 14 in. wide.

4983—Disc Root Pulper, marked "S P;" manufactured by the Exhibitors. Price £3 3s. Fitted with 4 knives.

4984—Disc Root Pulper, marked "T P A;" manufactured by the Exhibitors. Price £3 4s. 6d. Fitted with 4 knives, and quarter iron disc guard.

4985—Disc Root Pulper, marked "T P A;" manufactured by the Exhibitors. Price £3 7s. 6d. Fitted with 4 knives and complete iron disc cover.

4986—Disc Root Slicer, marked "s s;" manufactured by the Exhibitors. Price £3 3s. Fitted with complete iron disc cover.

4987—Disc Root Slicer, marked "T S M;" manufactured by the Exhibitors. Price £3 4s. 6d. Fitted with quarter iron disc guard.

4988—Disc Root Slicer, marked "T S M;" manufactured by the Exhibitors. Price £3 7s. 6d. Fitted with complete iron disc cover.

4989—Combined Disc Root Pulper and Slicer, marked "D X;" manufactured by the Exhibitors. Price £5 17s. 6d.

4990—Combined Disc Root Pulper and Slicer, marked "D A G;" manufactured by the Exhibitors. Price £6 2s. 6d. Has a very large and capacious hopper.

4991—Treble-Action Root Cutter, marked "T X;" manufactured by the Exhibitors. Price £7. Equally efficient as a pulper, stripper, and slicer.

4992—Gardner's Single-Action Turnip Cutter; manufactured by the Exhibitors. Price £4 10s. For cutting finger-pieces for sheep.

4993—Gardner's Double-Action Turnip Cutter; manufactured by the Exhibitors. Price £5 10s. For cutting finger-pieces for sheep, and slices for cattle.

4994—New Pony Gear, marked "P;" manufactured by the Exhibitors. Price £7. Adapted for driving small chaff cutters, pulpers, churns, pumps, &c., &c.

4995—New One-Horse Gear, marked "G 4," and Intermediate Motion; manufactured by the Exhibitors. Price £13.

4996—Set of Zigzag Iron Harrows, No. 1 A, with Whippletree Complete; manufactured by the Exhibitors. Price £3 5s. 8 ft. 6 in. wide; weight about 1 cwt. 1 qr. 21 lbs.

4997—Set of Zigzag Iron Harrows, No. 2 A, with Whippletree Complete; manufactured by the Exhibitors. Price £3 17s. 6d. 9 ft. 6 in. wide; weight about 1 cwt. 3 qrs. 14 lbs.

4998—Set of Zigzag Iron Harrows, No. 2 B, with Whippletree Complete; manufactured by the Exhibitors. Price £3 17s. 6d. 9 ft. 6 in. wide; weight about 1 cwt. 2 qrs. 7 lbs.

4999—General Purpose Chain Harrow No. 1, 5 Ft. by 7 Ft. 6 In.; manufactured by the Exhibitors. Price £2.

5000—General Purpose Chain Harrow, No. 3; manufactured by the Exhibitors. Price £3.

5001—Lawn Mower, to Cut 16 In. Wide; manufactured by the Exhibitors. Price £6. Easy to work; simple, efficient, durable.

5002—Lawn Mower, similar to the preceding, but to Cut 22 In. Wide; manufactured by the Exhibitors. Price £7.

5003—Double Cylinder Garden Roller, 20 In. Wide by 20 In. Diam., No. 3; manufactured by the Exhibitors. Price £3 6s. With balance, handle, ornamental frame, and cylinders rounded at the edges.

5004—Double Cylinder Garden Roller, similar to the preceding, but 24 In. Wide by 24 In. Diameter; manufactured by the Exhibitors. Price £4 8s.

5005—Sack Truck, No. 4; manufactured by the Exhibitors. Price £1 3s.

5006—Strong Norfolk Pig Trough, No. 2; manufactured by the Exhibitors. Price 13s. For 4 pigs.

5007—Light Double Norfolk Pig Trough, No. 32; manufactured by the Exhibitors. Price 10s. For 12 young pigs.

5008—Strong Double Norfolk Pig Trough, No. 60; manufactured by the Exhibitors. Price 10s. 6d. For 6 pigs.

5009—Light Single Norfolk Pig Trough, No. 45; manufactured by the Exhibitors. Price 11s. For 2 pigs.

5010—Hog Trough, No. 70; manufactured by the Exhibitors. Price 15s. 6d. 5 ft. long.

5011—Circular Pig Trough, No. 2; manufactured by the Exhibitors. Price £1 1s. Has 8 divisions.

5012—Patent Pig Trough, No. 12; manufactured by the Exhibitors. Price £3. 3 ft. high by 3 ft. long.

5013—Cattle Trough, No. 23; manufactured by the Exhibitors. Price £2 7s. 6d.

5014—“Novelty” Combined Mower and Reaper; manufactured by the Exhibitors. Price £22. Has 4 ft. 3 in. cutting bar upon the right-hand side. Complete with 2 knives, box of tools, and usual extras.

5015—“Novelty” Combined Mower and Reaper; manufactured by the Exhibitors. Price £22. Has 4 ft. 3 in. cutting bar upon the left-hand side. Complete with 2 knives, box of tools, and usual extras.

5016—“Novelty” Combined Mower and Reaper; manufactured by the Exhibitors. Price £22. Has 4 ft. 6 in. cutting bar upon the right-hand side. Complete with 2 knives, box of tools, and usual extras.

5017—“Novelty” Combined Mower and Reaper; manufactured by the Exhibitors. Price £22. Has 4 ft. 6 in. cutting bar upon the left-hand side. Complete with 2 knives, box of tools, and usual extras.

5018—“Balance” Combined Mower and Reaper; manufactured by the Exhibitors. Price £22. Has 4 ft. 3 in. cutting bar upon the right-hand side. Complete with 2 knives, box of tools, and usual extras.

5019—“Balance” Combined Mower and Reaper; manufactured by the Exhibitors. Price £22. Has 4 ft. 3 in. cutting bar upon the left-hand side. Complete with 2 knives, box of tools, and usual extras.

5020—New Patent First Prize “Novelty” Self-Raking Reaper; manufactured by the Exhibitors. Price £30. Side delivery, and has 4 controllable rakes. Cuts 5 ft. wide on right-hand side. Complete with 2 knives, box of tools, and usual extras.

5021—“Model” 1-Horse Combined Mower and Reaper; manufactured by the Exhibitors. Price £19. Complete with 2 knives, box of tools, and usual extras.

5022—“Standard” 1-Horse Manual Delivery Reaper; manufactured by the Exhibitors. Price £15 10s. Complete with 2 knives, box of tools, and usual extras.

5023—“Standard” 2-Horse Manual Delivery Reaper; manufactured by the Exhibitors. Price £17. Complete with 2 knives, box of tools, and usual extras.

5024—Horse Rake and Hay Collector, No. 2; manufactured by the Exhibitors. Price £8 10s. 7 ft. 6 in. wide, with 24 steel teeth, and wrought-iron wheels, 3 ft. diameter.

5025—Horse Rake and Hay Collector, No. 3; manufactured by the Exhibitors. Price £9. 8 ft. 6 in. wide, with 28 steel teeth, and wrought-iron wheels, 3 ft. diameter.

5026—Horse Rake and Hay Collector No. 5; manufactured by the Exhibitors. Price £13. 8 ft. 6 in. wide, with 28 steel teeth, seat for driver, compound levers, and wrought-iron wheels, 4 ft. diameter.

5027—Horse Rake and Hay Collector, No. 6; manufactured by the Exhibitors. Price £11. 7 ft. 6 in. wide, with 24 steel teeth, seat for driver, compound levers, and wrought-iron wheels, 4 ft. diameter.

5028—American Horse Rake and Hay Collector, No. 2; manufactured by the Exhibitors. Price £2. Has 15 hickory teeth.

5029—American Horse Rake, No. 3; manufactured by the Exhibitors. Price £2 10s. Has 23 hickory teeth.

Stand No. 189.—*John Fowler and Co., of the Steam Plough Works, Leeds.*

Article 5030—20-Horse Power Single-Cylinder Steam Ploughing Engine; manufactured by the Exhibitors. Price £1106. One of a pair for working on the double-engine system; fitted with wrought-iron brackets, steel gear, and 400 yards of steel-wire rope.

5031—16-Horse Power Single-Cylinder Steam Ploughing Engine; manufactured by the Exhibitors. Price £831. Same description as Article No. 5030.

5032—8-Horse Power Single-Cylinder Steam Ploughing Engine; manufactured by the Exhibitors. Price £623. Same description as Article No. 5030.

5033—6-Horse Power Single-Cylinder Steam Ploughing Engine; manufactured by the Exhibitors. Price £480. Same description as Article No. 5030.

5034—8-Horse Power Single-Cylinder Double-Drum Steam Ploughing Engine; manufactured by the Exhibitors. Price £684. For working on the single engine system. The engine is fitted with 2 winding drums and 1200 yards of steel-wire rope.

5035—8-Horse Power Single-Cylinder Road Locomotive; manufactured by the Exhibitors. Price £510; governors, £10 extra. Fitted with steel gearing, wrought-iron brackets, 2 speeds, and differential gear; adapted for heavy and continuous hauling; will drive any machinery which can be driven by a belt.

5036—3-Horse Power Single-Cylinder Road Locomotive; manufactured by the Exhibitors. Price £285. Similar in design to Article No. 5035. Specially adapted for use on a farm.

5037—8-Horse Power Agricultural Locomotive; manufactured by the Exhibitors. Price £400. Fitted with wrought-iron brackets, 2 speeds, steel gearing, &c. This engine is adapted for thrashing, hauling, and general farm work; by means of the fly-wheel it will drive any machinery which can be driven by a belt.

5038—(*New Implement.*)—3-Horse Power Agricultural Locomotive, Roller and Reaper; manufactured by the Exhibitors. Price £370. Similar to Article No. 5036. Is fitted to work as a road locomotive, or land roller, or reaper, thus combining the three.

5039—(*New Implement.*)—Patent Compound Semi-Portable Engine and Boiler; manufactured by the Exhibitors. Price £465; if without reversing gear, £440. Mounted on wrought-iron frame; adapted for driving circular saws, millstones, &c., or for winding, hauling, or pumping; can be supplied with condenser. The most economical semi-portable engine manufactured; specially suited for exportation.

5040—(*New Implement.*)—Compound Condensing Engine, without Boiler; manufactured by the Exhibitors. Price £200; if without condenser, £160. Mounted on wrought-iron frame, fitted with high speed governors. Adapted for driving circular saws, millstones, &c.

5041—6-Furrow Patent Balance Plough; manufactured by the Exhibitors. Price £127. Adapted for steam cultivation. Fitted with patent malleable-iron adjustable skives and Kent mould-boards.

5042—6-Furrow Patent Balance Plough; manufactured by the Exhibitors. Price £130. Adapted for steam cultivation. Fitted with patent malleable-iron adjustable skives.

5043—5-Furrow Patent Balance Plough; manufactured by the Exhibitors. Price £113. Same description as Article No. 5042.

5044—3-Furrow Patent Balance Plough; manufactured by the Exhibitors. Price £83. Same description as Article No. 5042.

5045—3-Furrow Patent Deep German Balance Plough; manufactured by the Exhibitors. Price £113. Same description as Article No. 5042.

5046—3-Furrow Patent Cuban Plough; manufactured by the Exhibitors. Price £135. Same description as Article No. 5042.

5047—Draining Plough; manufactured by the Exhibitors. Price £50. Adapted for working with steam cultivating engines.

5048—Patent Sutherland Plough; manufactured by the Exhibitors. Price £150. This implement is constructed for cultivating stony and unreclaimed land.

5049—Patent Discer; manufactured by the Exhibitors. Price £70. This implement is intended to cultivate newly-reclaimed soil without tearing up the solid furrow and bringing the turfy matter to the top.

5050—Patent Scoop; manufactured by the Exhibitors. Price £220. Adapted to work with steam cultivating engines, and designed for making ponds, &c.

5051—Patent Ditching Machine; manufactured by the Exhibitors. Price £110. See description to Article 5047.

5052—13-Tine Patent Turning Cultivator; manufactured by the Exhibitors. Price £105, with wrought-iron tines. For steam cultivation. Fitted with patent lifting and turning arrangement.

5053—9 and 11-Tine Patent Turning Cultivator; manufactured by the Exhibitors. Price £94, with wrought-iron tines. See description to Article No. 5052.

5054—5-Tine Patent Turning Cultivator; manufactured by the Exhibitors. Price £66, with wrought-iron tines. See description to Article No. 5052.

5055—Patent "Demerara" Cultivator; manufactured by the Exhibitors. Price £118. For steam cultivation.

5056—8-Framed Ordinary Steam Harrow; manufactured by the Exhibitors. Price £75. Adapted to work with steam cultivating engines. The harrow under-frames can be removed, and rollers, &c., substituted for them.

5057—3-Framed Patent Turning Harrow; manufactured by the Exhibitors. Price £94, with iron tines. This implement covers 15 ft., and is constructed on the same principle as our well-known turning cultivator.

5058—Roller and Harrow Combined; manufactured by the Exhibitors. Price £37 for frame; rings for roller, 12s. per cwt.; harrow flats, £5 each. For steam cultivation.

5059—5-Furrow Land Presser; manufactured by the Exhibitors. Price £20. For working with balance plough.

5060—Consolidator; manufactured by the Exhibitors. Price, frame, £37; rings, &c., 12s. per cwt. For steam cultivation.

5061—6-Ton Traction Waggon; manufactured by the Exhibitors. Price £70; springs and brake, £18 extra. Adapted for working with agricultural locomotive or traction engines; constructed on the principle of railway waggons.

5062—3-Ton Traction Waggon; manufactured by the Exhibitors. Price £63. See description to Article No. 5061.

5063—4-Wheel Water Cart; manufactured by the Exhibitors. Price £35. For supplying steam cultivating engines.

5064—2-Wheel Water Cart; manufactured by the Exhibitors. Price £30. For supplying steam cultivating engines.

5065—Sleeping Van; manufactured by the Exhibitors. Price £95; bedding, £7 10s. extra. For men engaged in steam cultivation; has separate sleeping berths, stove, &c.

5066—Large Rope Porter; manufactured by the Exhibitors. Price £1 10s. For use in steam cultivation.

5067—Small Rope Porter; manufactured by the Exhibitors. Price £1. For use in steam cultivation.

5068—4-Disc Anchor; manufactured by the Exhibitors. Price £49. Adapted to work on the single-engine system with Article No. 5034.

5069—50 Yards Length Patent Portable Railway; manufactured by the Exhibitors. Price, 20-in. gauge, 3s. per yard, straight rails. Suitable for farms, mines, quarries, manufactories, &c.

5070—Double-Tip Box and Carrier; manufactured by the Exhibitors. Price £8 2s. For portable railway; will tip either side; contains 16 cubic feet.

5071—Single-Tip Box and Carrier; manufactured by the Exhibitors. Price £7 18s. For portable railway; can be made to tip either at the end or the side; contains 12 cubic feet.

5072—Platform Waggon; manufactured by the Exhibitors. Price £6. For portable railway; fitted with end uprights; suitable for carrying hales, &c.

5073—Platform Waggon; manufactured by the Exhibitors. Price £16. For portable railway; fitted with bogies; specially adapted for agricultural purposes.

5074—Ordinary Carrier; manufactured by the Exhibitors. Price £5 10s. For portable railway; fitted with buffers and corner posts.

5075—Light Platform Waggon; manufactured by the Exhibitors. Price £2 19s. For portable railway; fitted with portable hand-baskets.

5076—General Carrier; manufactured by the Exhibitors. Price £8 19s. For portable railway; fitted with double tipping basket.

5077—Carrier; manufactured by the Exhibitors. Price £5 3s. For portable railway; fitted with swivelling fork for carrying timber, &c.

5078—(*New Implement.*)—Locomotive for Working on Portable Railway; manufactured by the Exhibitors. Price £450.

Stand No. 190.—*James Smyth and Sons, of Peasenhall, Suffolk; Witham, Essex; and Paris (Rue Lafayette, 160).*

Article 5079—12-Row Patent Light Land "Nonpareil" Corn Drill, with Fore Steerage; manufactured by the Exhibitors. Price £33 10s.

5080—2-Horse "Colonial" Corn Drill; manufactured by the Exhibitors. Price £30.

5081—10-Row Patent "Nonpareil" Corn Drill; manufactured by the Exhibitors. Price £29 2s.

5082—12-Row Patent "Nonpareil" Corn Drill; manufactured by the Exhibitors. Price £31 10s.; fore steerage £5 extra.

5083—16-Row Patent "Nonpareil" Corn Drill; manufactured by the Exhibitors. Price £37 10s.; fore steerage £5 extra.

5084—20-Row Clover and Rye Grass Drill; manufactured by the Exhibitors. Price £28.

5085—13-Row "Suffolk" Corn Drill; manufactured by the Exhibitors. Price £34 8s.

5086—14-Row "Suffolk" Corn Drill; manufactured by the Exhibitors. Price £32 15s. For 8 furrow stetches.

5087—15-Row "Suffolk" Corn Drill; manufactured by the Exhibitors. Price £34 10s. For half-rod stetches.

5088—13- and 2-Row "Suffolk" Corn Drill; manufactured by the Exhibitors. Price £36 5s. For half-rod stetches.

5089—10-Row Light Land "Eclipse" Corn Drill, with Fore Steerage; manufactured by the Exhibitors. Price £27 15s.

5090—9-Row "Eclipse" Corn Drill; manufactured by the Exhibitors. Price £28 10s.

5091—10-Row "Eclipse" Corn Drill; manufactured by the Exhibitors. Price £33 15s.

5092—11-Row "Eclipse" Corn Drill; manufactured by the Exhibitors. Price £29 5s.

5093—13-Row "Eclipse" Corn Drill; manufactured by the Exhibitors. Price £32 10s.; fore steerage £5 extra.

5094—Kaemmerer's Patent Broadcast Corn and Seed Sower; manufactured by the Exhibitors. Price £17; seat for driver £1 extra.

5095—Manure Distributor; manufactured by the Exhibitors. Price £20 5s.

5096—Turnip and Manure Drill; manufactured by the Exhibitors. Price £29 5s.

5097—Turnip and Manure Drill and Manure Distributor Combined; manufactured by the Exhibitors. Price £46.

5098—General Purpose Drill; manufactured by the Exhibitors. Price £61 5s.

Stand No. 191.—*Davey, Sleep, and Co., of Excelsior Plough Works, St. German's, Cornwall.*

Article 5099—New Patent “Invincible” Tri-Furrow Turn-wrest Plough, with Kentish Breast; manufactured by the Exhibitors. Price £15 15s.

5100—New Patent R. A. S. E. First Prize “Climax” Turn-wrest Two-Furrow Plough, Perfectly Adjustable; manufactured by the Exhibitors. Price £15.

5101—New Patent “Climax” One-Furrow Turn-wrest Plough; manufactured by the Exhibitors. Price £8 5s.

5102—R. A. S. E. First Prize “Excelsior” One-Furrow Turn-wrest Plough, Marked D O; manufactured by the Exhibitors. Price £8.

5103—(*New Implement.*)—New Kentish One-Furrow Turn-wrest or Hill-Side Plough; manufactured by the Exhibitors. Price £6 10s. (*For Trial.*)

5104—(*New Implement.*)—New 5-Tine Horse Hoe and Banker Combined; manufactured by the Exhibitors. Price £4 10s.

5105—(*New Implement.*)—New Patent and Improved Portable Horse Rake, the “Acme,” with Self-Locking Leverage and Seat for Driver; manufactured by the Exhibitors. Price £10. (*For Trial.*)

5106—Set of Patent 3-Horse Equalising Whippetrees; manufactured by the Exhibitors. Price £1 10s.

Stand No. 192.—*G. W. Murray and Co., of Banff Foundry, Banff, Scotland.*

Article 5107—(*New Implement.*)—1 Row Patent Potato Planter; manufactured by the Exhibitors. Price £8 8s. Awarded the Gold Medal of the Highland and Agricultural Society of Scotland after trial in 1879. Can be made to drop the seed at any required distance apart.

5108—(*New Implement.*)—2-Row Patent Potato Planter; manufactured by the Exhibitors. Price £14. Gained the Silver Medal of the United Banffshire Agricultural Society, awarded for the implement that saves most manual labour to the farmer. Can be fitted to drop the seed at any required distance apart.

5109—(*New Implement.*)—3-Row Patent Potato Planter; manufactured by the Exhibitors. Price £21. On the same principle as the two preceding machines, but fitted to drop the seed at three different distances apart as may be wanted.

5110—R. A. S. E. First Prize “Light Land” Double Furrow Plough, S I; manufactured by the Exhibitors. Price £10 18s. Fitted with steel breasts and shares.

5111—R. A. S. E. First Prize “Heavy Land” Double Furrow Plough, S III, Fitted with Subsoiler. Price £13; fitted with steel breasts and shares, patent subsoiler, £3 3s.

5112—Patent One-Way Plough, “Murison’s Patent;” manufactured by the Exhibitors. Price £10; fitted with steel breasts and shares, front wheels, 15s. This plough is constructed by having two bodies attached to a lower beam standing in reverse positions. Awarded the Silver Medal of the Highland and Agricultural Society of Scotland.

5113—(*New Implement.*)—Set of New Angle-Iron Zig-Zag Harrows (Murray McDonald's Patent); manufactured by the Exhibitors. Price £4. The tines of this harrow can be removed without affecting the framing; an ordinary farm labourer can take them off and refit them again when sharpened, thus saving the expense of taking the implement to blacksmith's shop.

5114—New Pattern Horse Hoe for Thinning Turnips; manufactured by the Exhibitors. Price £3 5s.

5115—Land Roller, Cast-Iron Cylinders, 6 Ft. by 22 In., Angle-Iron Frame, and Wood Shafts; manufactured by the Exhibitors. Price £8.

5116—Broadcast Sowing Machine, 18½ Ft. Wide, Fitted in Two Halves; manufactured by the Exhibitors. Price £18. A very efficient machine for sowing grain and grass seeds broadcast; largely used abroad where large tracts of land have to be sown within a short time.

5117—R. A. S. E. Prize 2-Row Turnip and Mangold Sower for the Ridge or Drill; manufactured by the Exhibitors. Price £7 10s. This machine will sow evenly on the steepest land without shaft adjustment or balance boxes; impossible to crush a seed or leave a blank with this disc-delivery sower.

5118—(*New Implement.*)—1-Row Turnip and Mangold Sower; manufactured by the Exhibitors. Price £3 10s. On same disc-delivery principle as the R. A. S. E. prize 2-row machine.

5119—"Tiny" Hand Threshing Machine, No. 1; manufactured by the Exhibitors. Price £6 10s. A most efficient little machine; over 19,000 of them have been sent to the colonies.

5120—(*New Implement.*)—Threshing Machine, No. 4, with Shakers and Fan; manufactured by the Exhibitors. Price £31 10s. Fitted on the same principle as the No. 1 "Tiny" Hand Thresher, but with dressing gear and patent crank shakers; suitable for being driven by a 2-horse power engine.

5121—Patent Turnip Lifter (McDonald Brothers' Patent); manufactured by the Exhibitors. Price £7 10s. Awarded the Gold Medal of the Central Banffshire Farmers' Club, after trial in December, 1878.

5122—(*New Implement.*)—1-Horse "Victory" Mower and Reaper, Self Back Delivery; manufactured by the Exhibitors. Price £18 10s. The simplest, most complete, and efficient 1-horse reaper before the public.

5123—(*New Implement.*)—2-Horse "Victory" Mower and Reaper, Self Back Delivery, 5-Ft. Cut; manufactured by the Exhibitors. Price £23. This machine has been strengthened and improved in its mechanical details and general arrangement, and can be thoroughly recommended as the most efficient 2-horse self back delivery.

5124—Chain Pump for Hand Power; manufactured by the Exhibitors. Price £3 15s. for 10 ft. lift. Suitable for ordinary wells, grass parks, or liquid manure tanks; the simplest and most effective pump made.

5125—Collection of Samples of Wire Straining Brackets and Pillars; manufactured by the Exhibitors. (*Not for Sale.*) Samples will be shown of the "Colonial" wire straining brackets, for wood or iron pillars, with "Michie's" patent fixings for iron pillars.

Stand No. 193.—*Murton and Turner, of Guiltcross Iron Works, Kenninghall, Thetford, Norfolk.*

Article **5126**—8-Row "Small Occupation" Corn and Seed Drill, No. 0; manufactured by the Exhibitors. Price £21 17s.

5127—14-Row Corn and Seed Drill, for Light or Mixed Soils, No. 3; manufactured by the Exhibitors. Price £27 10s.

5128—18-Row Corn and Seed Drill, "Newcastle Pattern," No. 5; manufactured by the Exhibitors. Price £31 10s.

5129—12-Lever Corn and Seed Drill, for Heavy Land, No. 2; manufactured by the Exhibitors. Price £26 10s.

5130—14-Row Corn and Seed Drill, with Iron Levers, No. 3; manufactured by the Exhibitors. Price £30; fore carriage steerage, £4 10s. extra.

5131—5-Row Mangold and Turnip Drill, for Flat or Ridge Work, No. 3; manufactured by the Exhibitors. Price £10 10s.

5132—4-Row Mangold and Turnip Drill, No. 2; manufactured by the Exhibitors. Price £9 10s. Fitted with improved sliding seed boxes and axla.

5133—10-Lever Patent General Purpose Hoe; manufactured by the Exhibitors. Price £16. Fitted with patent depth regulating apparatus and steerage.

5134—Royal "Bedford Prize" Horse Hoe (Mote's); manufactured by the Exhibitors. Price £14.

5135—(*New Implement.*)—Patent 16-Iron Lever Horse Hoe; manufactured by the Exhibitors. Price £13.

5136 Steerage Horse Hoe, for Turnips, &c., No. 4; manufactured by the Exhibitors. Price £8.

5137—New Iron Hoe and Grubber, with Sliding Bars; manufactured by the Exhibitors. Price £2 12s. 6d.

5138—(*New Implement.*)—Combined Cultivator and Duck Foot Harrow; manufactured by the Exhibitors. Price £9.

5139—Corn Dressing Machine or Winnower, No. 2; manufactured by the Exhibitors. Price £9.

5140—"Universal" Hand Seed Drill for 1 Row; manufactured by the Exhibitors. Price 10s. 6d.

5141—"Universal" Hand Seed Drill for 2 Rows; manufactured by the Exhibitors. Price £1 2s.

5142—Hand Seed Drill for 3 Rows; manufactured by the Exhibitors. Price £1 12s.

Stand No. 194.—*William Whitehouse, of Sand Road Iron Works, Ampthill, Bedfordshire.*

Article **5143**—8-Coulter Bedfordshire Steerage Corn and Seed Drill; improved and manufactured by the Exhibitor. Price £19 10s.

5144—9 Independent Lever and Steerage Horse Hoe; improved and manufactured by the Exhibitor. Price £11 10s. These hoes are made to follow any drill.

5145—Oat and Malt Crushing Mill; manufactured by the Exhibitor. Price £5 10s.

5146—Set of Drag Harrows Marked H; manufactured by the Exhibitor. Price £5 5s. 8 ft. 6 in. wide, and fitted with handles.

5147—Set of Diamond Seed Harrows, Marked W B; manufactured by the Exhibitor. Price £3 15s.

5148—Set of Diamond Seed Harrows, Marked w o; manufactured by the Exhibitor. Price £2 7s. 6d.

• **5149**—(*New Implement.*)—Broadcast Soot and Artificial Manure Distributor; manufactured by the Exhibitor. Price £12 10s. Will hold 10 bushels, and sow from 2 to 60 bushels per acre.

Stand No. 195.—*William Gilbert, of Shippon, Abingdon, Berkshire.*

5150—7-Row Small Occupation Suffolk Corn Drill; manufactured by the Exhibitor. Price £19 10s. For heavy, mixed, and light soil.

5151—10-Row Small Occupation Suffolk Corn and Clover Seed Drill; manufactured by the Exhibitor. Price £27 10s. To sow clover seed broadcast at the same time with the corn.

5152—13-Row Suffolk Corn Drill; manufactured by the Exhibitor. Price £28 10s.

5153—Fore Carriage Steerage to a 13-Row Drill; manufactured by the Exhibitor. Price £4 15s.

5154—4-Row Turnip and Manure Drill; manufactured by the Exhibitor. Price £26.

5155—2-Row Small Seed Drill for Ridge or Flat Land; manufactured by the Exhibitor. Price £3.

5156—(*New Implement.*)—New Expanding Horse Hoe; invented and manufactured by the Exhibitor. Price £3 10s. A 1-row expanding horse hoe to hoe from 10 in. to 20 in.; fitted with a lever to alter the width without stopping the horse; made with 5 shears.

Stand No. 196.—*Robert Mitchell and Son (Limited), of Peterhead, Aberdeen.*

5157—Broadcast Sowing Machine; manufactured by the Exhibitors. Price £15 10s. Broadcast sowing machine for grain and grass seeds, to sow 18 ft. Seed-box made in two parts, each part turning round on centre stud, for convenience in passing gates and along roads. The seed distributors in each half actuated by the corresponding carrying wheel. (*For Trial.*)

5158—Broadcast Sowing Machine; manufactured by the Exhibitors. Price £12. Broadcast sowing machine for grain and grass seeds, to sow 14 ft. Seed-box in one, turning on stud for convenience of transport, and for passing gates. (*For Trial.*)

5159—Turnip Sowing Machine; manufactured by the Exhibitors. Price £6 6s. 2-drill turnip sowing machine, with seed-boxes improved to secure equal distribution of seed. (*For Trial.*)

Stand No. 197.—*James Coultas, of the Perseverance Iron Works, Spittlegate, Grantham, Lincolnshire.*

Article 5160—6-Ft. 6-In. 10-Row "Royal" General Purpose Drill; manufactured by the Exhibitor. Price £46. Awarded First Prize of £10 at R. A. S. E. last Great Trials, Bedford, 1874.

161—6-Ft. 6-In. 10-Row New Pattern Corn, Turnip, Mangold, and Artificial Manure Drill; manufactured by the Exhibitor. Price £43. Introduced to meet the demand for a drill light and handy for artificial manure with every crop.

5162—7-Ft. 13-Row "Royal" Corn and Seed Drill; manufactured by the Exhibitor. Price £30 15s. Awarded First Prize of £15 at Bedford, 1874.

5163—6-Ft. 6-In. 12-Row "Royal" Corn and Seed Drill; manufactured by the Exhibitor. Price £29 10s. Fitted with improved slides and winding apparatus; suitable for steerage.

5164—5-Ft. 6-In. 10-Row "Royal" Corn and Seed Drill; manufactured by the Exhibitor. Price £25 10s. Most suitable for strong soils.

5165—5-Ft. 6-In. 10-Row Small Occupation Corn Drill; manufactured by the Exhibitor. Price £23 10s. Will be found a most useful drill; suitable for various soils.

5166—Improved Fore-Carriage Steerage; manufactured by the Exhibitor. Price £5. Fitted with improved apparatus, which greatly assists their management in steerage. Adapted to any maker's drills.

5167—6-Ft. 6-In. 3-, 4-, 5- and 6-Row Turnip, Mangold, and Artificial Manure Drill; manufactured by the Exhibitor. Price £32 10s. Awarded the First Prize of £10 at Bedford, 1874.

5168—6-Ft. 4-Row Turnip, Mangold, and Liquid-Manure Drill; manufactured by the Exhibitor. Price £30. A most valuable drill for roots.

5169—4-Ft. 6-In. 2-Ridge Drill, suitable for Turnips, Mangold, and Artificial Manures; manufactured by the Exhibitor. Price £20. Awarded the First Prize of £10 at Bedford, 1874.

5170—1-Row Turnip, Mangold and Manure Drill; manufactured by the Exhibitor. Price £9. This drill is fitted with cup wheels for the seed, and the seed and manure go down separate coulters.

5171—7-Ft. 6-In. 26-Row Small Seed and Rye-Grass Drill; manufactured by the Exhibitor. Price £30. Awarded the First Prize of £10 at Bedford, 1874. The only perfect small seed drill made.

5172—7-Ft. "Chambers" Broadcast Manure Distributor; manufactured by the Exhibitor. Price £19. Was awarded the only Prize at Bedford, 1874.

5173—2-Row Wright's Patent Potato Planter; manufactured by the Exhibitor. Price £45. Awarded First and only Prize of £15 at Bedford, 1874.

5174—6-Ft. 6-In. 10-Row Swing Lever Bucknall's Horse Hoe; manufactured by the Exhibitor. Price £13. Suitable to follow any maker's drill.

5175—6-Ft. 6-In. 5-Row Root Bar-Steerage Horse Hoe; manufactured by the Exhibitor. Price £9. Fitted with an improved lever for raising at headlands, and the steerage much simpler.

Stand No. 198.—*A. W. Gower and Son, of the Britannia Works, Market Drayton, Shropshire.*

Article 5176—15-Row Suffolk Corn and Seed Drill; manufactured by the Exhibitors. Price £32.

5177—13-Row Suffolk Corn and Seed Drill; manufactured by the Exhibitors. Price £29.

5178—Improved Fore-Carriage Steerage for Drills and Horse Hoes; manufactured by the Exhibitors. Price £4 10s. Pronounced the best. See R. A. S. E. Journal, Bedford.

5179—(*New Implement.*)—Anglo-Canadian Corn and Seed Drill, 7 Ft. Wide, for 2 Horses; manufactured by the Exhibitors. Price £26.

5180—(*New Implement.*)—Anglo-Canadian Corn and Seed Drill, 5 Ft. 3 In. Wide, for 1 or 2 Horses; manufactured by the Exhibitors. Price £18.

5181—(*New Implement.*)—Anglo-Canadian Corn and Seed Drill, 4½ Ft. Wide, for 1 Horse; manufactured by the Exhibitors. Price £15.

5182—3-Coulter Manure Drill for Turnips and other Roots, for Flat Work; manufactured by the Exhibitors. Price £15 10s.

5183—Combined Ridge and Flat Drill, for Manure and Turnips and other Roots; manufactured by the Exhibitors. Price £18 10s.

5184—Leeds and Plymouth Royal Prize Ridge Drill, for Manure and Roots, 2 Rows; manufactured by the Exhibitors. Price £12.

5185—Plymouth Royal Prize 2-Coulter Ridge Drill, for Turnips and other Roots; manufactured by the Exhibitors. Price £5 15s.

5186—Plymouth Royal Prize 2-Coulter Ridge Drill, Fitted with Shafts; manufactured by the Exhibitors. Price £6 5s.

5187—5-Coulter Drill, for Turnips and other Roots on the Flat, 6 Ft. Wide; manufactured by the Exhibitors. Price £9 10s.

5188—1-Coulter Manure Ridge Drill, for Turnips and Other Roots; manufactured by the Exhibitors. Price £7.

5189—1-Coulter Ridge Drill, for Turnips and Other Roots; manufactured by the Exhibitors. Price £3 10s.

5190—1-Coulter Drill for Flat Work, for all Kinds of Seeds; manufactured by the Exhibitors. Price £3 10s.

5191—Plymouth Royal Prize Broadcast Seed Machine, with Double Box, 12 Ft. Wide; manufactured by the Exhibitors. Price £5 10s.

5192—Broadcast Clover and Rye-Grass Drill, 12 Ft. Wide; manufactured by the Exhibitors. Price £3 10s.

5193—Clover and Rye-Grass Barrow Drill, 15 Ft. Wide; manufactured by the Exhibitors. Price £4.

5194—Plymouth and Bedford Royal Prize 2-Furrow Drill Presser; manufactured by the Exhibitors. Price £11.

5195—Patent Garden and Patching Drill for all Kinds of Seeds; manufactured by the Exhibitors. Price 12s. 6d.

5196—Patent Garden and Patching Drill for all Kinds of Seeds, Small Size; manufactured by the Exhibitors. Price 10s.

Stand No. 199.—*William Walker and Son, of Tithby, Bingham, Nottinghamshire.*

Article 5197—10-Row Corn and Seed Drill; manufactured by the Exhibitors. Price £23 10s., exclusive of extras. Bedford Royal First Prize Drill.

5198—11-Row Corn and Seed Drill; manufactured by the Exhibitors. Price £26 15s., exclusive of extras. Bedford Royal Prize Drill.

5199—12-Row Corn and Seed Drill; manufactured by the Exhibitors. Price £28 10s., exclusive of extras. Bedford Royal Prize and Prize Medal Drill.

5200—14-Row Corn and Seed Drill; manufactured by the Exhibitors. Price £31 15s., exclusive of extras. Royal Bedford Prize and Prize Medal Drill.

5201—Drill Fore-Carriage Steerage; manufactured by the Exhibitors. Price £4 15s. Adapted for any maker's drill.

5202—Patent Drill Lifting Jack; manufactured by the Exhibitors. Price 10s. Incomparable for its purpose.

Stand No. 200.—*Frederick Bird and Co., of 11, Great Castle Street, Regent Street, London, W.*

Article 5203—(*New Implement.*)—8-Row Seed Drill, 1; manufactured by the Exhibitors. Price £12 10s. (*For Trial.*)

5204—(*New Implement.*)—8-Row Seed Drill, Fitted with Thin-Edged Wheels and Rakes; manufactured by the Exhibitors. Price £13 10s.

5205—(*New Implement.*)—6-Row Seed Drill; manufactured by the Exhibitors. Price £9 10s. (*For Trial.*)

5206—(*New Implement.*)—6-Row Seed Drill, Fitted with Thin-Edged Wheels and Rakes; manufactured by the Exhibitors. Price £10 5s.

5207—(*New Implement.*)—4-Row Seed Drill; manufactured by the Exhibitors; Price £6 10s. (*For Trial.*)

5208—(*New Implement.*)—2-Row Seed Drill; manufactured by the Exhibitors. Price £5. (*For Trial.*)

5209—(*New Implement.*)—Pea and Bean Drill; manufactured by the Exhibitors. Price £5. (*For Trial.*)

5210—(*New Implement.*)—Expanding 5-Tined Horse Hoe; manufactured by the Exhibitors. Price £3 10s.

5211—(*New Implement.*)—Expanding 5-Tined Horse Hoe, Fitted with Moulding Breasts; manufactured by the Exhibitors. Price £5.

5212—(*New Implement.*)—Expanding 5-Tined Horse Hoe, Fitted with Hind and Front Potato Raisers; manufactured by the Exhibitors. Price £5 5s.

5213—(*New Implement.*)—Expanding 3-Tined Horse Hoe; manufactured by the Exhibitors. Price £2 15s.

5214—(*New Implement.*)—2-Wheel Hand Seed Drill, Fitted with 10-In. Wheels; manufactured by W. Armstrong, of Middleton Cheney. Price £1. (*For Trial.*)

5215—(*New Implement.*)—2-Wheel Hand Seed Drill, Fitted with 16-In. Wheels; manufactured by W. Armstrong. Price £1 3s. 6d. (*For Trial.*)

5216—(*New Implement.*)—Gapping Drill; manufactured by W. Armstrong. Price 16s. (*For Trial.*)

5217—(*New Implement.*)—Lawn Tennis Court Marker; manufactured by W. Armstrong. Price 16s.

5218—Carriage Wheel, Fitted with Patent India-Rubber Tyre; manufactured by the Exhibitors. Price £5 10s.

5219—Carriage Wheel, Fitted with Patent India-Rubber Tyre; manufactured by the Exhibitors. Price £6 10s.

5220—12-In. Iron Wheel, Fitted with India-Rubber Tyre; manufactured by the Exhibitors. Price £1.

5221—10-In. Iron Wheel, Fitted with India-Rubber Tyre; manufactured by the Exhibitors. Price 12s. 6d.

5222—8-In. Iron Wheel, Fitted with India-Rubber Tyre; manufactured by the Exhibitors. Price 8s. 6d.

5223—8-In. Iron Wheel, Fitted with India-Rubber Tyre, Extra Broad for Heavy Weights; manufactured by the Exhibitors. Price 12s. 6d.

5224—6-In. Iron Wheel, Fitted with India-Rubber Tyre; manufactured by the Exhibitors. Price 7s. 3d.

5225—4-In. Iron Wheel, Fitted with India-Rubber Tyre; manufactured by the Exhibitors. Price 4s. 6d.

5226—3-In. Iron Wheel, Fitted with India-Rubber Tyre; manufactured by the Exhibitors. Price 3s. 9d.

5227—5-in. Iron Wheel, Fitted with India-Rubber Tyre; manufactured by the Exhibitors. Price 6s. 6d.

5228—Pair of 2-In. India-Rubber Break Blocks with Iron Pans; manufactured by the Exhibitors. Price 14s. 6d.

5229—Pair of 1½-In. India-Rubber Break Blocks with Iron Pans; manufactured by the Exhibitors. Price 12s.

5230—Pair of 1½-In. India-Rubber Break Blocks with Iron Pans; manufactured by the Exhibitors. Price 9s. 6d.

5231—Pair of 1½-In. India-Rubber Break Blocks with Iron Pans; manufactured by the Exhibitors. Price 8s. 6d.

5232—Pair of 1½-In. India-Rubber Break Blocks with Iron Pans; manufactured by the Exhibitors. Price 7s.

5233—Pair of 2-In. India-Rubber Break Blocks with Bolts; manufactured by the Exhibitors. Price 15s.

5234—Pair of 1½-In. India-Rubber Break Blocks with Bolts; manufactured by the Exhibitors. Price 12s.

5235—Pair of 1½-In. India-Rubber Break Blocks with Bolts; manufactured by the Exhibitors. Price 10s.

5236—Pair of 1½-In. India-Rubber Break Blocks with Bolts; manufactured by the Exhibitors. Price 9s.

5237—Pair of 1½-In. India-Rubber Break Blocks with Bolts; manufactured by the Exhibitors. Price 8s.

5238—Pair of Oblong Patent India-Rubber Carriage Steps; manufactured by the Exhibitors. Price 12s. 6d.

5239—Pair of Half-Round Patent India-Rubber Carriage Steps; manufactured by the Exhibitors. Price 10s. 6d.

5240—Pair of Oval Patent India-Rubber Carriage Steps; manufactured by the Exhibitors. Price 12s. 6d.

Stand No. 201.—*A. W. Gower and Son, of Hook, Winchfield, Hants.*

Article 5241—Nine-Coulter Corn Drill; manufactured by the Exhibitors. Price £23.

5242—Thirteen-Coulter Corn Drill; manufactured by the Exhibitors. Price £29.

5243—Fifteen-Coulter Corn Drill; manufactured by the Exhibitors. Price £32.

5244—Six-Coulter Manure, Turnip, and Mangold Drill; manufactured by the Exhibitors. Price £29 10s.; with the patent steerage attached, £4 10s. extra.

5245—Two-Row Drill Presser; manufactured by the Exhibitors. Price £12.

5246—Broadcast Grass Seed Barrow; manufactured by the Exhibitors. Price £3 10s.

5247—Patent Patching and Garden Drill; manufactured by the Exhibitors. Price 10s.

Stand No. 202.—*W. Rainforth and Sons, of Britannia Ironworks, Lincoln.*

Article 5248—12-Row Patent General Purpose Drill; manufactured by the Exhibitors. Price £42 10s.

5249—10-Row Patent General Purpose Drill; manufactured by the Exhibitors. Price £40.

5250—12-Row Corn Drill; manufactured by the Exhibitors. Price £25.

5251—Adjustable Corn Screen, with Blower; manufactured by the Exhibitors. Price £14 14s.

5252—Adjustable Corn Screen with Springs, with Blower; manufactured by the Exhibitors. Price £14 14s.

5253—Adjustable Corn Screen, with Blower and Metallic Cleaner; manufactured by the Exhibitors. Price £14 14s.

5254—(*New Implement.*)—New Patent Adjustable Flat Screen; manufactured by the Exhibitors. Price £8 8s.

5255—(*New Implement.*)—New Patent Adjustable Flat Screen, Fitted with Blower; manufactured by the Exhibitors. Price £10 10s.

5256—Combined Winnowing and Dressing Machine, 18 In. by 22 In.; manufactured by the Exhibitors. Price £8 10s.

5257—Combined Winnowing and Dressing Machine, 16 In. by 20 In.; manufactured by the Exhibitors. Price £8.

5258—(*New Implement.*)—9-Tine Patent Parallel Lifting Cultivator; manufactured by the Exhibitors. Price £10 10s.

5259—(*New Implement.*)—7-Tine Patent Parallel Lifting Cultivator; manufactured by the Exhibitors. Price £9 9s.

5260—6-Ft. Patent Parallel Lifting Harrow, 29 Tines; manufactured by the Exhibitors. Price £10 10s.

5261—5-Ft. Patent Parallel Lifting Harrow, 25 Tines; manufactured by the Exhibitors. Price £9 9s.

5262—5-Ft. Patent Parallel Lifting Harrow, 15 Tines; manufactured by the Exhibitors. Price £8 8s.

5263—Set R 1 Zigzag Iron Harrows; manufactured by the Exhibitors. Price £3.

5264—Set R 1½ Zigzag Iron Harrows; manufactured by the Exhibitors. Price £3 10s.

5265—Set R 2 Zigzag Iron Harrows; manufactured by the Exhibitors. Price £4.

5266—Set R 3 Zigzag Iron Harrows; manufactured by the Exhibitors. Price £4 15s.

5267—Set R 4 Zigzag Iron Harrows; manufactured by the Exhibitors. Price £5.

5268—Set R 5 Zigzag Iron Harrows; manufactured by the Exhibitors. Price £5 10s.

5269—R 16 2-Horse Drag Harrow; manufactured by the Exhibitors. Price £3 10s.

5270—R 17 3-Horse Drag Harrow; manufactured by the Exhibitors. Price £4.

5271—5-Tined Grubber, Fitted with Shares; manufactured by the Exhibitors. Price £5 10s.

5272—1-Row Skerry, 3 Tines; manufactured by the Exhibitors. Price £3.

5273—1-Row Skerry, 8 Tines; manufactured by the Exhibitors. Price £3.

5274—1-Row Skerry, 3 Tines, to Regulate when in Work; manufactured by the Exhibitors. Price £3 10s.

5275—Lever Lifting Jack, for Carriages; manufactured by the Exhibitors. Price £1 5s.

5276—Lever Lifting Jack, for Carts; manufactured by the Exhibitors. Price £1 7s. 6d.

5277—Lever Lifting Jack, for Waggon; manufactured by the Exhibitors. Price £1 10s.

5278—Rack Sack-Lifting Barrow; manufactured by the Exhibitors. Price £2 15s.

5279—Chain Sack-Lifting Barrow; manufactured by the Exhibitors. Price £2 12s. 6d.

5280—Double-Purchase Sack-Lifting Barrow; manufactured by the Exhibitors. Price £3 3s.

5281—Rotary Gravel Screen; manufactured by the Exhibitors. Price £7 10s.

5282— $\frac{1}{2}$ -In. Gravel or Cinder Screen; manufactured by the Exhibitors. Price £1 15s.

5283— $\frac{3}{4}$ -In. Gravel or Cinder Screen; manufactured by the Exhibitors. Price £1 12s. 6d.

5284— $\frac{1}{2}$ -In. Gravel or Cinder Screen; manufactured by the Exhibitors. Price £1 12s. 6d.

5285—Collection of Sack Trucks; manufactured by the Exhibitors. Price 13s. 6d. to £1 each.

5286—Collection of Waterproof Covers, Made to any Size; manufactured by the Exhibitors. Price 2s. per square yard.

Stand No. 203.—*William Affleck, of Prospect Works, Swindon, Wiltshire.*

Article 5287—150-Gallon Water or Liquid-Manure Cart, with Spreader, Pump, and Suction Hose, on 2 Wheels; manufactured by the Exhibitor. Price £25 10s. complete. The above cart took the £5 Prize at the Royal A. S. E. Show, Bedford, 1874. Has 10 ft. of 2-in. suction hose.

5288—150-Gallon Water Cart, on 2 Wheels, with Pump and Hose Attached; manufactured by the Exhibitor. Price £24 2s. 6d. The

above cart is high enough to deliver water into steam ploughing engines or water drills. Has 15 ft. of 2-in. suction hose.

5289—120-Gallon Water Cart, on 2 Wood Wheels, with Pump and Hose attached; manufactured by the Exhibitor. Price £20 10s. Has 10 ft. of 2-in. suction hose.

5290—220-Gallon Water Cart, on 2 Wheels, with Pump and Hose Attached; manufactured by the Exhibitor. Price £25 10s. Has 10 ft. of 2-in. suction hose. Any of the above carts can be supplied without pumps if required.

5291—(*New Implement.*)—Haymaking Machine, Double Action; manufactured by the Exhibitor. Price £18 13s.; screen 15s. extra. These machine rakes are always zig zag to each other when at work.

5292—Barrow Lift and Force Pump, on 2 Wheels, Suction and Delivery Hose; manufactured by the Exhibitor. Price £7 10s. Has 10 ft. of 2-in. suction hose, and 7 ft. of 2-in. delivery, screwed nose and tailpiece, and gun metal unions and nuts.

5293—Cast-Iron $4\frac{1}{2}$ -In. Pump, with Wrought-Iron Legs to Fix on Water Carts, Screwed Tailpiece, and Brass Union and Nuts; manufactured by the Exhibitor. Price £3. This pump will deliver 20 gallons per minute.

5294—Chaff Cutter, with 2 Knives; will Cut 2 Lengths of Chaff; manufactured by the Exhibitor. Price £2 12s. 6d. The above is the Handy A 1 Chaff Cutter; requires no change wheels.

5295—Oilcake Mill; will Break 6 Different Sizes and any Thickness of Cake; manufactured by the Exhibitor. Price £3 3s. There are also 2 wood boxes for catching the cake.

5296—1 $\frac{1}{2}$ -Horse Power Vertical Engine and Tubular Boiler on Bedplate; manufactured by the Exhibitor. Price £55. Is complete in itself, requires no brick work; all bearings of best gun metal; boiler fittings all complete.

5297—Cast-Iron Pig Trough, Extra Strong, 7 Ft. Long, with Divisions for 7 Pigs; manufactured by the Exhibitor. Price £1 4s.

5298—Wrought-Iron Pig Trough, with High Back, 8 Ft. Long, and Divisions for 8 Pigs; manufactured by the Exhibitor. Price £1 8s. These troughs are unbreakable, and prevent pigs wasting their food.

5299—Wrought-Iron Pig Trough, High Back, 6 Ft. Long, Divisions for 6 Pigs; manufactured by the Exhibitor. Price £1 2s. 6d. Same as Article No. 5298.

5300—Wrought-Iron Pig Trough, High Back, 4 Ft. Long, Divisions for 4 Pigs; manufactured by the Exhibitor. Price 16s. Same as the above.

5301—Wrought-Iron Pig Trough, High Back, 2 Ft. Long, Divisions for 2 Pigs; manufactured by the Exhibitor. Price 10s. Same as above.

5302—Tire and Hoop Bender, No. 0; will Bend Iron Cold, 6 In. by 1 In. or more; manufactured by the Exhibitor. Price £11. To be fixed on oak post; for heavy work.

5303—Tire and Hoop Bender, No. 1; will Bend Iron Cold, 6 In. by $\frac{1}{2}$ In.; manufactured by the Exhibitor. Price £5. This machine is much improved; to fix on oak post; for general use.

5304—Tire and Hoop Bender, No. 2; will Bend Iron Cold, 4 In. Wide; manufactured by the Exhibitor. Price £4. This machine is much improved also, and is supplied with links and bolts to fix to post; for coach-builders and light work.

Stand No. 204.—*The Nottingham Malleable Iron Company (Limited), of Kirke White Street, Nottingham.*

Article 5305—Set of Combined Malleable Iron and Steel Beater Plates, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £1.

5306—Set of Combined Malleable Iron and Steel Beater Plates, 5 Ft.; manufactured by the Exhibitors. Price £1 4s.

5307—Set of Cast-Steel Goucher Beater Plates, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £1 4s.

5308—Set of Steel Beaters, Goucher's Patent, 5 Ft.; manufactured by the Exhibitors. Price £1 8s.

5309—Samples of Castings in Malleable Iron for Engines, Machines, and Agricultural Implements; manufactured by the Exhibitors. Price, various.

5310—Show Case of Steam and Water Brass Fittings; manufactured by the Exhibitors. Price, various.

5311—Samples of Hart's Patent Boiler Injectors; manufactured by the Exhibitors. Price, as per list.

5312—Samples of Bott's Patent Helicon Jet Condenser; manufactured by the Exhibitors. New principle.

Stand No. 205.—*Henry Brinsmead, of Ipswich, Suffolk.*

Article 5313—Patented Self-Feeding Apparatus; manufactured by the Exhibitor. Price £20.

5314—Patented Double-Action Straw Shaker; manufactured by the Exhibitor. Price £25.

5315—Patented Rotary Adjustable Screen, with Metallic Cleaner; manufactured by the Exhibitor. Price £10.

Stand No. 206.—*Harrison, Teague, and Birch, of the Lincoln Malleable Iron Works, Lincoln.*

Article 5316—Set of Malleable Beater Plates, 4 Ft. 6 In. Long (8 to a Set); manufactured by the Exhibitors. Price £1 4s.

5317—Set of Malleable Beater Plates, 5 Ft. Long; manufactured by the Exhibitors. Price £1 8s.

5318—Set of Plain Spanners, from $\frac{1}{4}$ In. to $1\frac{1}{2}$ In. (Whitworth); manufactured by the Exhibitors. Price 16s.

5319—Set of Japanned Spanners and Polished Ends, $\frac{1}{4}$ In. to $1\frac{1}{2}$ In.; manufactured by the Exhibitors. Price £1 2s. 6d.

5320—Set of Lathe Drivers from $\frac{1}{4}$ In. to 3 In.; manufactured by the Exhibitors. Price, unfitted 7s.; fitted £1 5s.

5321—Samples of Malleable-Iron Castings for Boilers, Traction, Portable, and Fixed Engines. Prices varying from £1 15s. to £2 10s. per cwt. Thrashing machines, agricultural implements, spur wheels and pinions, worm wheels and worms, capstan and other ship fittings, cotton mill, sewing machine and bicycle castings, manufactured by the Exhibitors. (Not for Sale.)

Stand No. 207.—*Messrs. Stensen and Co., of Northampton.*

Article 5322—Samples of Bar-Iron of Various Brands and Mild Steel, showing Quality, Strength, and General Superiority for Engineering and General Purposes; manufactured by the Exhibitors. Prices: B scrap iron, £9 10s.; BB scrap iron, £11 10s.; BB bright iron, £12 10s.; BBB bright iron, £15 10s.; BB rivet iron, £12 10s.; BB mild steel, £16 10s., per ton.

Stand No. 208.—*East and Son, of Great Berkhamstead, Herts.*

Article 5323—Stable Barrow; manufactured by the Exhibitors. Price £1.

5324—Navy or Excavators' Barrows; manufactured by the Exhibitors. Price 15s.

5325—Set of Sawn Wood Complete, for Excavators' Barrows; manufactured by the Exhibitors. Price 7s.

5326—Contractors' Cart; manufactured by the Exhibitors. Price £18.

5327—West Drayton Plough; manufactured by the Exhibitors. Price £4 10s.

5328—Twelve Waggon Hoops; manufactured by the Exhibitors. Price 2½d. per foot run.

5329—Twelve Corn or Malt Shovels; manufactured by the Exhibitors. Price, average 3s. each.

5330—Twelve Pick-Axe Handles; manufactured by the Exhibitors. Price 7s. per dozen.

5331—Twelve Fork Handles; manufactured by the Exhibitors. Price 10s. 6d. per dozen.

Stand No. 209.—*S. T. Osmond, of Newtown Foundry, Ramsbury, Wilts.*

Article 5332—220-Gallon 4-Wheel Wrought-Iron Water Cart; manufactured by the Exhibitor. Price £29 17s. 6d. Mounted on patent wrought-iron wheels, wrought channell-iron frame and tubular shafts, fitted with pump and 15 ft. suction hose; for steam cultivation and other farm purposes, with side delivery.

5333—175-Gallon Wrought-Iron Water Cart; manufactured by the Exhibitor. Price £23 7s. 6d. Mounted on 4 ft. 9 in. diameter patent wrought-iron wheels, wrought channell-iron frame, fitted with pump and 15 ft. suction hose; adapted for steam cultivation, liquid-manure drills, &c.

5334—175-Gallon Wrought-Iron Water Cart; manufactured by the Exhibitor. Price £17. Mounted on 4 ft. diameter patent wrought-iron wheels with tubular frame and shafts; for general agricultural purposes.

5335—130-Gallon Wrought-Iron Water Cart, with Liquid-Manure Distributor; manufactured by the Exhibitor. Price £17 10s. Mounted on patent wrought-iron wheels, tubular iron shafts, frame fitted same way as axle, making it self-balancing.

5336—100-Gallon Wrought-Iron Water Cart; manufactured by the Exhibitor. Price £11. Similar to the preceding, but without distributor; mounted on cast-iron wheels.

5337—50-Gallon Wrought-Iron Water Cart; manufactured by the Exhibitor. Price £8 10s. Suitable for small occupiers, with cast-iron wheels and tubular shafts.

5338—Portable Barrow on 2 Wheels; manufactured by the Exhibitor. Price £7 5s. 6d. Fitted with 15 ft. suction hose and 8 ft. delivery hose; adapted for filling water carts, for steam cultivation, &c.

5339—Pair of 4 Ft. 9 In. Diameter Patent Wrought-Iron Wheels, 4-In. Tyres; invented and manufactured by the Exhibitor. Price £11 5s. The felloes of these wheels are constructed of channell-iron, with bevelled iron spokes, bush and nave of new design and construction, made extra strong for carrying heavy loads; well adapted for exportation, and all kinds of farm implements, water and other carts.

5340—Pair of 4 Ft. 6 In. Diameter Wrought-Iron Wheels and Axle; manufactured by the Exhibitor. Price £10 15s. Similar to the preceding, but of lighter construction.

Stand No. 210.—*J. S. and G. Cunnings, of Finchdean, Horndean, Hants.*

Article 5341—Water Cart; manufactured by the Exhibitors. Price £12 10s. On iron wheels; holds about 120 gallons. A pump and liquid-manure distributor can be added.

5342—Water Cart, with Liquid-Manure Distributor Attached; manufactured by the Exhibitors. Price £15 18s. On iron wheels; holds 150 gallons; a pump can be added. Price of water cart without the distributor, £14.

5343—Water Cart; manufactured by the Exhibitors. Price £15. On iron wheels; holds 185 gallons. A liquid-manure distributor can be added. Extra for the pump and hose attached, £4 10s.

5344—Water Cart on 4 Iron Wheels; manufactured by the Exhibitors. Price £22. Holds about 220 gallons. A pump can be added.

5345—Circular Wrought-Iron Cattle Crib; manufactured by the Exhibitors. Price £1 8s.

5346—Round Cast-Iron Cattle Trough; manufactured by the Exhibitors. Price 7s. With inside projecting rim, and holds about 9 gallons.

5347—Round Cast-Iron Cattle Trough; manufactured by the Exhibitors. Price 5s. With inside projecting rim, and holds about 5½ gallons.

Stand No. 211.—*I. James & Son, of Tivoli Works, Cheltenham.*

Article 5348—Improved Street Water Van; manufactured by the Exhibitors. Price £52. 450-gallons, with springs and oil-stocks; it spreads a very fine shower of water about 20 ft. wide, has a double valve and distributor; either half can be stopped instantly when passing carriages or in a narrow street; can be used for carrying a large quantity of water for agricultural purposes.

5349—Improved Water Cart, with Springs and Oil-Stocks. Price £31. 300-gallons, works in every respect the same as Article No. 5348, but with 2 wheels instead of 4. They have both iron bodies, with improved distributors fixed low to prevent raising much dust when in work.

5350—Improved Water Cart, No. 2, with Stocks for Grease; Price £26. With wood body without springs; with double valve and distributor; similar to Article No. 5349; holds about 300 gallons; will last 12 to 15 years.

5351—Water Cart, No. 2. Price £26. Similar to Article No. 5350, but with iron body; 300-gallons.

5352—Improved Tumbler Cart. Price £25. For collecting street sweepings or for sanitary purposes; this is a thorough good article, and easily loaded and tipped.

5353—Improved 3-Wheel Dirt or Slush Cart. Price £25. Specially adapted for street and sanitary purposes; fixed very low on the wheels for loading, and is easily tipped and managed with one man and one horse.

5354—Improved Ash or Dust Cart. Price £20. Made very large in body and low on wheels for loading; a first class cart for local boards.

5355—James's Improved Liquid-Manure Cart. Price £17. Has been awarded more than 20 prizes; cannot choke up or get out of order. It has an iron body, and fixed low on the wheels for loading; will spread the liquid about 16 ft. wide.

5356—Liquid-Manure Cart, 260 Gallons. Price £19. Similar to Article No. 5355, but larger, and with a wooden body; will last 12 to 15 years without any repairs whatever.

5357—Liquid-Manure Pump, with 2 Movable Valves. Price £2 15s. To hang on cart; cannot choke or get out of order.

5358—Liquid-Manure Pump. Price £2 15s. To stand on 3 legs; will answer first class for liquid manure or water. Best suction pipe for above, 3s. per ft.

5359—Model Chain Pump. Price £3 10s. For pumping liquid manure or thick slush; with wrought-iron barrel bored out in lathe, which makes it work easier and do much more work than those not bored.

5360—Improved Bone or Gravel Crusher. Price £25. Made light and strong, suitable for farmers, boards of highways, or the colonies; it will crush any bone wet or dry to size suitable for land, or gravel for foot paths.

5361—Road-Scraping Machine for Hand Power. Price £3 10s. About 4 ft. wide, made light and strong, and specially adapted for doing a large quantity of work.

Stand No. 212.—*Morgan and Co., of 15, 16, 116, 128, and 129, Long Acre, London, W.C.*

Article 5362—Patent C-Spring Landau (Full Size); invented and manufactured by the Exhibitors. Price £278 5s. Cause-shape. Fitted with the Patentees self-acting head, dispensing with the old-fashioned outside joints, also with the perch and heavy ironwork; acknowledged to be the greatest improvement ever made in coachbuilding.

5363—Medium-Size Patent C-Spring Landau; invented and manufactured by the Exhibitors. Price £241 10s. Medium size, as above.

5364—Miniature Size Patent Landau, without C-Springs; invented and manufactured by the Exhibitors. Price £189. This carriage is specially adapted for one horse, or a pair of cobs, to suit a hilly country. The above carriages are so widely known for their extra comfort, style, and superiority over other landaus that it is unnecessary to comment further on them. (*See Testimonials.*)

5365—Four-in-Hand Drag; manufactured by the Exhibitors. Price £315. With Exhibitors' patent improvements.

5366—Mail Phaeton; manufactured by the Exhibitors. Price £147. Patent mail phaeton, fitted up with improved patent ladies' step.

5367—Patent Special Brougham; invented, patented, and manufactured by the Exhibitors. Price £157 10s. This carriage is specially adapted to suit a hilly country, forming a perfect brougham when closed, instantly convertible to an open carriage, and much appreciated by the medical profession.

5368—Patent Victoria, Convertible to Driving Phaeton; invented and manufactured by the Exhibitors. Price £147. This carriage is perfection of elegance.

5369—Patent Improved Brougham, Registered Design; manufactured by the Exhibitors. Price £157 10s. This newly-designed brougham has advantages over ordinary broughams, and is much more stylish in appearance.

Stand No. 213.—*J. Wilton Ash, of Penzance, Cornwall.*

5370—The "Pendragon," a 2-Wheel Dog-Cart, a Speciality; manufactured by the Exhibitor. Price £33.

5371—The "Cornubia," a 2-Wheel Gig, a Speciality; manufactured by the Exhibitor. Price £28 10s.

Stand No. 214.—*Messrs. Adams and Grindle, of Standard Works, Sheepcote Street, Birmingham.*

Article 5372—Phaeton Fore-Carriage; manufactured by the Exhibitors. Price £3 15s. For parisian or park; turned thimble-socket and perch-bolt; futchells forged in solid with bed-plate; wood top bed and horn bar plated "Straight." Bottom bed 3½ in. compassed.

5373—Stanhope or 4-Wheeled Dog-Cart Carriage; manufactured by the Exhibitors. Price £4 15s. Same as Article No. 5372, but straight beds.

5374—Brougham Fore-Carriage; manufactured by the Exhibitors. Price £8 10s. Compassed top and bottom bed, two futchells spliced on bed-plate, turned thimble-socket and perch-bolt.

5375—Landau Fore-Carriage; manufactured by the Exhibitors. Price £9 10s. Same as Article No. 5374, but sway-plate forged in solid.

5376—Set of Spring Clips; manufactured by the Exhibitors. Price 8s. 6d. per dozen. Made of Swedish iron, and screwed to standard sizes.

5377—Selection of Door Handles; manufactured by the Exhibitors. Price 12s. 6d. per pair.

5378—Polished Draw Bar Furniture ; manufactured by the Exhibitors. Price £1 3s per set. This price includes the furniture of three bars.

5379—Set of Springs ; manufactured by the Exhibitors. Price £4 4s. 4-plate elliptic, fitted with india-rubber heads and turned eye-bolts.

5380—Set of Dog-Cart Springs ; manufactured by the Exhibitors. Price 5½d. per lb.

5381—Set of Drabble's Axles ; manufactured by the Exhibitors. Price £4 10s. Boxes and caps to interchange beds 2½ inches.

5382—Set of Drabble's Axles ; manufactured by the Exhibitors, Price £4 10s. Round beds 1½ ; boxes and caps to interchange, flapped to sizes required.

5383—Set of 1½ Collinge Axles ; manufactured by the Exhibitors. Price £7 17s. Fitted with india-rubber cushions.

5384—Patent Conical Axle, 1½ ; manufactured by the Exhibitors. Price £1 10s. Boxes to interchange.

5385—Sample of Grid-Iron Steps ; manufactured by the Exhibitors. Price 7s. 6d per pair. These are the best steps, and the easiest fixed, of any yet introduced.

5386—Set of Manchester Cart Iron Work ; manufactured by the Exhibitors. Price £4 12s.

Stand No. 215.—*Messrs. Smith, Parfrey, and Hitchings, of the Pimlico Wheel Works, 141, Buckingham Palace Road, London, S.W.*

Article 5387—Set of Waggon Wheels ; manufactured by the Exhibitors. Price £21 ; less 5 per cent. for cash. Hind wheels, 5 ft. 2 in. high ; front wheels, 3 ft. 9 in. high ; tyres 4½ in. wide, ¾ in. thick ; stock-hooped and painted complete ; ready for work.

5388—Set of Trolly Wheels for Carrying Heavy Weights ; manufactured by the Exhibitors. Price £35 ; less 5 per cent. for cash. Hind wheels 4 ft. ; front wheels, 3 ft. 6 in. ; tyred with double tyres 6 in. wide, under one ¾ in. thick, top tyre, 1 in. thick ; stock-hooped and painted complete ; ready for work.

5389—Pair of Scotch Cart Wheels ; manufactured by the Exhibitors. Price £10 10s ; less 5 per cent. for cash. 4 ft. 8 in. high ; tyres 6 in. by ¾ in. bevelled ; stock-hooped and painted complete ; ready for work.

5390—Pair of Scotch Cart Wheels ; manufactured by the Exhibitors. Price £8 ; less 5 per cent. for cash. 4 ft. 8 in. high ; tyres 4 in. wide by ¾ in. thick ; stock-hooped and painted complete ; ready for work.

5391—Pair of Scotch Cart Wheels ; manufactured by the Exhibitors. Price £7 ; less 5 per cent. for cash. 4 ft. 8 in. high ; tyres 3 in. wide by ¾ in. thick ; stock-hooped and painted complete ; ready for work.

5392—Pair of Cart Wheels ; manufactured by the Exhibitors. Price £8 5s. ; less 5 per cent. for cash. 5 ft. 2 in. high ; tyres 3 in. wide, ¾ in. thick ; stock-hooped and painted complete ; ready for work.

5393—Set of Market Van Wheels ; manufactured by the Exhibitors. Price £9 5s. ; less 5 per cent. for cash. Hind wheels, 4 ft. 8 in. high ; front wheels, 3 ft. 4 in. high ; tyres 2 in. wide, ¾ in. thick ; stock-hooped and painted complete ; ready for work.

5394—Pair of High Timber Carriage Wheels; manufactured by the Exhibitors. Price £17; less 5 per cent. for cash. 6 ft. 6 in. high; tyres 4½ in. wide, ¾ in. thick; 16 spokes in each wheel; stock-hooped and painted complete; ready for work.

5395—Pair of Spring Cart Wheels; manufactured by the Exhibitors. Price £4 16s.; less 5 per cent. for cash. 4 ft. 10 in. high; tyres 1½ in. wide, ¾ in. thick; 14 spokes in each wheel; stock-hooped and ready for work.

5396—Pair of 2-In. Cart Wheels; manufactured by the Exhibitors. Price £5 3s.; less per 5 cent. for cash. 5 ft. high; tyres 2 in. wide, ¾ in. thick; stock-hooped and painted complete; ready for work.

5397—Set of Brougham Wheels; manufactured by the Exhibitors. Price £6 10s.; less 5 per cent. for cash. Hind wheels, 3 ft. 8 in. high; front wheels, 3 ft. 2 in. high; tyres 1½ in. wide, ½ in. thick; stock-hooped and finished complete.

5398—Set of Landau Wheels; manufactured by the Exhibitors. Price £6 16s.; less 5 per cent. for cash. Hind wheels, 4 ft. high; front wheels, 3 feet 4 in. high; tyres 1½ in. wide, ⅞ in. thick; stock-hooped and finished complete.

5399—Set of Fly Wheels; manufactured by the Exhibitors. Price £6 3s.; less 5 per cent. for cash. Hind wheels, 3 ft. 6 in.; front wheels, 2 ft. 8 in.; tyres 1½ in. wide, ¾ in. thick; stock-hooped and finished complete.

5400—Pair of Dog-Cart Wheels; manufactured by the Exhibitors. Price £5 3s.; less 5 per cent. for cash. 5 ft. 2 in. high; tyres 1½ in. wide, ¾ in. thick; 16 spokes in each wheel; stock-hooped and finished complete.

5401—Pair of Gig Wheels; manufactured by the Exhibitors. Price £4 16s.; less 5 per cent. for cash. 4 ft. 10 in. high; tyres 1½ in. wide, ¾ in. thick; 14 spokes in each wheel; stock-hooped and finished complete.

5402—Pair of Pony Gig Wheels; manufactured by the Exhibitors. Price £4 10s.; less 5 per cent. for cash. 4 ft. 6 in. high; tyres 1½ in. wide, ⅞ in. thick; 14 spokes in each wheel; stock-hooped and finished complete.

5403—Pair of Extra Light Gig Wheels; manufactured by the Exhibitors. Price £4 4s.; less 5 per cent. for cash. 4 ft. 2 in. high; tyres 1½ in. wide, ¾ in. thick; 14 spokes in each wheel; stock-hooped and finished complete.

5404—Set of Extra Light Phaeton Wheels; manufactured by the Exhibitors. Price £5 13s.; less 5 per cent. for cash. Hind wheels, 3 ft. 4 in. high; front wheels, 2 ft. 4 in. high; tyres 1½ in. wide, ⅞ in. thick; stock-hooped and finished complete.

Stand No. 216.—*James Slim, of 8 and 9, Great Lister Street, Birmingham.*

Article 5405—Set of Collinge's Axles; manufactured by the Exhibitor. Price £4 6s., less 30 per cent. discount.

5406—Set of Mail Axles; manufactured by the Exhibitor. Price £2 13s., less 30 per cent. discount.

5407—Set of Drabble's Van Arms; manufactured by the Exhibitor. Price £5 10s., less 30 per cent. discount.

5408—Set of Common Cart Arms ; manufactured by the Exhibitor. Price £1 16s. per cwt., less 30 per cent. discount.

5409—Set of Landau Springs ; manufactured by the Exhibitor. Price 7d. per lb., less 30 per cent. discount.

5410—Set of Brougham Springs ; manufactured by the Exhibitor. Price 7d. per lb., less 30 per cent. discount.

5411—Set of London Cab Springs ; manufactured by the Exhibitor. Price 6d. per lb., less 30 per cent. discount.

5412—Set of Dog-Cart Springs ; manufactured by the Exhibitor. Price 6d. per lb., less 30 per cent. discount.

5413—Set of Shoful Springs ; manufactured by the Exhibitor. Price 5½d. per lb., less 30 per cent. discount.

5414—Set of Waggon Springs ; manufactured by the Exhibitor. Price 4½d. per lb., less 30 per cent. discount.

5415—Set of Jews' Harp and Bridge Scroll Irons ; manufactured by the Exhibitor. Price 15s. 6d., less 25 per cent. discount.

5416—Collection of Coach Ironwork ; manufactured by the Exhibitor. Price 25 per cent. discount from list.

5417—Collection of Bolts, Nuts, and Rivets ; manufactured by the Exhibitor. Price 25 per cent. discount from list.

Stand No. 217.—*Bennett and Son, of Ipswich, Suffolk.*

Article 5418—Reversible Stanhope Waggonette, with Patent Front Swing Seat ; manufactured by the Exhibitors. Price 65 guineas.

5419—Reversible Stanhope Waggonette, with Patent Front Swing Seat ; manufactured by the Exhibitors. Price 65 guineas.

5420—Patent Dog Cart, with Adjustable Shafts to Suit Different Sized Horses ; manufactured by the Exhibitors. Price 40 guineas.

5421—Patent Dog Cart, with Adjustable Shafts to Suit Different Sized Horses ; manufactured by the Exhibitors. Price 40 guineas.

Stand No. 218.—*William Botwood, of the Patent Carriage Works, Woodbridge Road, Ipswich.*

Article 5422—Improved Brougham on Newly Invented Springs, and Patent Noiseless Wheels, manufactured by the Exhibitor. Price £140.

5423—(*New Carriage.*)—Patent Saloon Trio Carriage ; manufactured by the Exhibitor. Price £90. Patent saloon trio carriage on three wheels, combining the advantages of brougham, stanhope, and waggonette, with easy access to front and hind seats. (*For Trial and Competition.*)

5424—Patent Dog Cart ; manufactured by the Exhibitor. Price £40. Patent dog cart, free from horse motion, and to adjust to various sizes.

5425—Shooting Cart ; manufactured by the Exhibitor. Price £30.

5426—New Town Gig ; manufactured by the Exhibitor. Price £35.

Stand No. 219.—*R. H. Brockelbank, of 25 and 30, Islington Green, London, N.*

Article 5427—Canoe Barouche Landau; manufactured by the Exhibitor. Price £147. Fitted with patent balance head, and suitable for a light horse.

5428—Light Station Brougham; manufactured by the Exhibitor. Price £95.

5429—Brockelbank's Registered Reversible; manufactured by the Exhibitor. Price £75. Convertible in a minute into a stanhope phaeton; fitted with sliding front seat to allow a lady to pass through from the back.

5430—A C- and Under-Spring Victoria; manufactured by the Exhibitor. Price £140; with pole and bars, £5 5s. extra.

5431—Prize Medal Imperial Spider Phaeton; manufactured by the Exhibitor. Price £60. Under 4 cwt.

5432—Light and Elegant Stanhope Phaeton; manufactured by the Exhibitor. Price £60. Under 4 cwt.

Stand No. 220.—*Messrs. F. and R. Shanks, of 4, 70 and 71, Great Queen Street, London, W.C.*

Article 5433—Miniature Single Brougham; manufactured by the Exhibitors. Price £155 nett.

5434—C- and Under-Spring Barouche; manufactured by the Exhibitors. Price £260 nett.

5435—C- and Under-Spring Victoria; manufactured by the Exhibitors. Price £190 nett.

5436—Small Canoe Landau; manufactured by the Exhibitors. Price £210 nett.

5437—Private Hansom Cab; manufactured by the Exhibitors. Price £150 nett.

5438—Drag; manufactured by the Exhibitors. Price £300 nett.

Stand No. 221.—*Jolly and Son, of Norwich.*

Article 5439—Angular Pattern Landau, with Automatic Head; manufactured by the Exhibitors. Price £173 5s. Constructed in the lightest manner, and suitable for one horse or a pair of ponies. Head to open and close from the inside without assistance, and guaranteed perfectly water-tight.

5440—Landaulette Brougham, with Circular Front; manufactured by the Exhibitors. Price £147. Unique open and close carriage for cobs; roof and all glasses fall as landau; same outline as the fixed-head brougham; also for one large or a pair of horses.

5441—Anglo-American Waggonette, with Reversible Hind Seats to Form Phaeton; manufactured by the Exhibitors. Price £81 18s. Combined comfort of English with lightness of American models; safety of 4 wheels with weight of two of ordinary construction; lock perfectly.

5442—Fulcrum Shaft Dog-Cart; manufactured by the Exhibitors. Price £48 6s. Shafts attached with “fulcrum bearings” in front, and slide couplings behind; greatest ease to horse and passengers on the roughest roads; perfectly balanced; elegant, light, and latest style.

5443—Norfolk Game or Baggage Cart; manufactured by the Exhibitors. Price £44 2s. Movable panels for winter use; partridge gallows, hare boxes, gun-case racks, ammunition and lunch boxes; to suit any sized horses. Quite the gentleman’s carriage for covert, town or tandem work.

5444—Norwich Car; manufactured by the Exhibitors. Price £37 16s. A much-admired and popular pony carriage; carries two or four persons; is easy, light, and stylish in appearance; very useful for ladies, and safe for hilly districts.

Stand No. 222.—*William King, of the Steam Carriage Works, Leighton Buzzard, Bedfordshire.*

Article 5445—Superior Miniature Single Brougham; manufactured by the Exhibitor. Price 120 guineas. This carriage is exceedingly light; painted black with fine lines of amber; lined with black morocco and gold lace; fitted with lamps, india-rubber mat in front, and wool mat inside.

5446—Full-Sized Gentleman’s Private Bus; manufactured by the Exhibitor. Price 130 guineas. This carriage is fitted with a movable head, which when removed forms a most compact and elegant waggonette. Painted green, black and green; fitted with patent brake, silk curtains and spring rollers, mats, lamps. This carriage is the perfection of elegance.

5447—Reversible Seat Waggonette; manufactured by the Exhibitor. Price 70 guineas. With all the latest improvements, being fitted with a self-acting step behind, and a patent concealed step in front for the convenience of ladies; patent brake, lamps, mats, &c. This carriage also forms stanhope phaeton with door attached to seat.

5448—Superior Stanhope Phaeton; manufactured by the Exhibitor. Price 55 guineas. Painted black; fitted with self-acting step fixed to door and seat behind for the convenience of ladies. Brake, lamps, mats, and trimmed with best blue cloth.

5449—Bertie Phaeton; manufactured by the Exhibitor. Price 50 guineas. This carriage is most highly finished, and is considered an elegant driving phaeton for ladies; it is fitted with lamps and wool mat.

5450—Full-Sized “Battlesden Car;” manufactured by the Exhibitor. Price 35 guineas.

5451—Cob-Sized “Battlesden Car;” manufactured by the Exhibitor. Price 28 guineas.

5452—Pony-Sized “Battlesden Car;” invented, improved, and manufactured by the Exhibitor. Price 25 guineas. The above cars are so widely known for the extra comfort and superiority over all other 2-wheel carriages, it is not necessary to comment further on them. (*See 200 testimonials.*)

5453—Superior Manchester Cart; improved and manufactured by the Exhibitor. Price 40 guineas. The cheapest and most fashionable 2-wheel drag, combined with elegance and durability. Painted blue and lined with orange; fitted with lamps, mats, &c.

5454—Full-Sized Gig; manufactured by the Exhibitor. Price 40 guineas.

5455—Cob-Sized Gig; improved and manufactured by the Exhibitor. Price 35 guineas. Constructed on the most recent improvements, with spring at back end of shaft to remedy knee motion; fitted with lamps, mat, and improved driving box.

5456—C-Spring Cart; improved and manufactured by the Exhibitor. Price 25 guineas. Fitted with lamps. Knee motion remedied. A great novelty. Inspection invited.

Stand No. 223.—*McNaught and Smith, of Worcester.*

Article 5457—Five Glass Landau; manufactured by the Exhibitors. Price £240. With improved automatic head and india-rubber cushioned axles.

5458—Square-Fronted Brougham; manufactured by the Exhibitors. Price £165. Light and roomy for four persons, with pole and shafts, and india-rubber cushioned axles.

5459—Victoria; manufactured by the Exhibitors. Price £170. On C and under-springs.

5460—Stanhope Gig; manufactured by the Exhibitors. Price £63.

Stand No. 224.—*Henry Gold, of 82, Long Acre, London, W.C.*

Article 5461—(*New Article.*)—Stanhope Phaeton; manufactured by the Exhibitor. Price £47 5s.

5462—(*New Article.*)—Sporting Dog Cart; manufactured by the Exhibitor. Price £42.

5463—(*New Article.*)—Windsor Station Cart; manufactured by the Exhibitor. Price £31 10s.

5464—(*New Article.*)—Whitechapel Dog Cart; manufactured by the Exhibitor. Price £31 10s.

5465—(*New Article.*)—Manchester Dog Cart; manufactured by the Exhibitor. Price £31 10s.

5466—(*New Article.*)—Rustic Cart; manufactured by the Exhibitor. Price £21.

Stand No. 225.—*James Bligh and Son, of Ramsgate, Kent.*

Article 5467—Canoe Landau; manufactured by the Exhibitors. Price £172. Fitted with self-acting head; expressly adapted for insuring great strength combined with lightness of draught; for horse from 15 to 16 hands; foot power break and pole and bar.

5468—Victoria; manufactured by the Exhibitors. Price £100. For one or pair of horses, exceedingly light and strong; painted and lined green.

5469—Park Phaeton; manufactured by the Exhibitors. Price £65. Fitted with rumble, painted and lined blue; suitable for cob.

5470—Alexandra Cart; manufactured by the Exhibitors. Price £28. Suitable for pony 13 hands; painted and lined brown.

5471—Granville Dog Cart; manufactured by the Exhibitors. Price £45. Hung on the most approved principle; open head, springs, and leather shackles; suitable for horse 16 hands; painted and lined green.

5472—Granville Dog Cart; manufactured by the Exhibitors. Price £40. Hung on the most approved principle; open head, springs, and leather shackles; suitable for cob; painted and lined blue.

Stand No. 226.—*John Marston and Co., of Bradford Street, Birmingham.*

Article 5473—Private Brougham, Cab, or Doctor's Hansom, very Light and Roomy; manufactured by the Exhibitors. Price £80.

5474—Improved Light Brougham Hansom, possessing all the Comfort of a Brougham; manufactured by the Exhibitors. Price £80.

5475—Newly-Designed Hansom Cab, for Private Use; manufactured by the Exhibitors. Price £65.

5476—Improved Hansom Cab, for Hotels or Public Use; manufactured by the Exhibitors. Price £65.

Stand No. 227.—*The "Tangent" and "Coventry Tricycle" Company, of the Ariel Works, Coventry, and 50, Queen Victoria Street, London, E.C.*

Article 5477—(*New Implement.*)—50-In. Coventry Tricycle (Patented) Painted 3 colours; manufactured by the Exhibitors. Price £18. This tricycle is upon a new and improved plan. It has the driving-wheel to the left of the rider, and two small guiding wheels to the right. By an ingenious connection of these two small wheels the machine can be guided with the greatest accuracy, and as two tracks only are made, it is easily propelled.

5478—(*New Implement.*)—52-In. Coventry Tricycle (Patented), Painted 3 Colours; manufactured by the Exhibitors. Price £19. Description as Article No. 5477, but with larger driving-wheel.

5479—(*New Implement.*)—50-In. Coventry Tricycle (Patented), Finished Half-Bright; manufactured by the Exhibitors. Price £20. Description as Article No. 5477, but finished with bright work.

5480—(*New Implement.*)—54-In. Coventry Tricycle (Patented), Nickel Plated; manufactured by the Exhibitors. Price £36 15s. Description as Article No. 5477, but finished with bright parts nickel plated.

5481—(*New Implement.*)—60-In. Coventry Tricycle (Patented), Painted 3 Colours; manufactured by the Exhibitors. Price £22. Description as Article No. 5477. The largest size made.

5482—(*New Implement.*)—40-In. Coventry Tricycle (Patented), Painted 3 Colours; manufactured by the Exhibitors. Price £10 10s. Description as Article No. 5477, but smaller and light for juveniles.

5483—(*New Implement.*)—Tangent Bicycle, 50-In. (Patented), Painted 3 Colours; manufactured by the Exhibitors. Price £14. The wheel in this bicycle is perfectly rigid. By the crossing of the spokes at the hub, the spring and consequent loss of power noticeable in all other principles of wheels is avoided, and therefore hills can be mounted without difficulty.

5484—(*New Implement.*)—52-In. Tangent Bicycle (Patented), Polished; manufactured by the Exhibitors. Price £16 10s. Description as Article No. 5483, but finished all bright.

5485—(*New Implement.*)—54-In. Tangent Bicycle (Patented), Half-Bright; manufactured by the Exhibitors. Price £14 15s. Description as Article No. 5483, but larger and finished half-bright.

5486—(*New Implement.*)—50-In. "Special Tangent" (Patented), 3 Colours; manufactured by the Exhibitors. Price £16. Description: wheel same as Article No. 5483, but fitted with hollow forks and finished as a "Special" machine in every respect.

5487—(*New Implement.*)—52-In. "Special Tangent" (Patented), Nickel Plated; manufactured by the Exhibitors. Price £24 10s. Description as article No. 5486, but highly finished and nickel plated.

5488—(*New Implement.*)—54-In. "Tangent Special" (Patented), Polished; manufactured by the Exhibitors. Price £19. Description as Article No. 5486, but highly polished.

5489—(*New Implement.*)—46-In. "Swiftsure" No. 1 Bicycle, Painted 3 Colours; manufactured by the Exhibitors. Price £10 15s. A spider bicycle of excellent value.

5490—(*New Implement.*)—52-In. "Swiftsure" No. 1 Bicycle, Painted 3 Colours; manufactured by the Exhibitors. Price £11 10s. A spider bicycle of excellent value.

5491—(*New Implement.*)—48-In. "Swiftsure" No. 2 Bicycle, Painted 3 Colours; manufactured by the Exhibitors. Price £12 10s. A superb bicycle upon the spider principle, fitted with roller bearings.

5492—(*New Implement.*)—52-In. "Swiftsure" No. 2 Bicycle, Half-Bright; manufactured by the Exhibitors. Price £13 10s. As Article No. 5491, but a larger size and finished half-bright.

5493—(*New Implement.*)—54-In. "Swiftsure" No. 2 Bicycle, Bright; manufactured by the Exhibitors. Price £15 10s. As Article No. 5491, but a larger size and finished all bright.

5494—(*New Implement.*)—40-In. Youth's "Swiftsure" Bicycle, Painted 3 Colours; manufactured by the Exhibitors. Price £6 10s. A youth's spider bicycle, strong, cheap, and well made.

5495—(*New Implement.*)—40-In. Youth's "Swiftsure" Bicycle, All Bright; manufactured by the Exhibitors. Price £8. Description as above, but finished all bright.

5496—(*New Implement.*)—7-Ft. "Tangent" Bicycle, Painted 3 Colours; manufactured by the Exhibitors. Price £31 10s. The driving-wheel of this bicycle is 7 ft. high; it can be easily managed, and is the largest bicycle in the world.

Stand No. 228.—*John Roberts and Sons, of the West of England Carriage Works, Bridgwater, Somerset.*

Article 5497—Cob Oxford Gadabout Cart; manufactured by the Exhibitors. Price £22.

5498—Box-Seat Phaeton; manufactured by the Exhibitors. Price £35.

5499—Four-Wheel Dog Cart; manufactured by the Exhibitors. Price £35.

5500—Pony Oxford Gadabout Cart; manufactured by the Exhibitors. Price £20.

5501—Wonder Pony Phaeton; manufactured by the Exhibitors. Price £21.

5502—Stanhope; manufactured by the Exhibitors. Price £35.

5503—Cob Gadabout Cart; manufactured by the Exhibitors. Price £20.

5504—Improved Wonder Phaeton; manufactured by the Exhibitors. Price £24.

5505—Malvern Dog Cart; manufactured by the Exhibitors. Price £26.

5506—Pony Gadabout Cart; manufactured by the Exhibitors. Price £18.

5507—The Turnabout; manufactured by the Exhibitors. Price £30.

5508—Whitechapel Dog Cart; manufactured by the Exhibitors. Price £31 10s.

5509—Cob Dog Cart; manufactured by the Exhibitors. Price £24.

5510—Little Waggonette; manufactured by the Exhibitors. Price £45.

5511—Light Two-Wheel Cart; manufactured by the Exhibitors. Price £28.

5512—Inside Car; manufactured by the Exhibitors. Price £21.

Stand No. 229.—*Charles Sandford Windover, of 32 and 33, Long Acre, London, W.C.*

Article 5513—Canary-Island Canoe Landau, with Latest Improvements; manufactured by the Exhibitor. Price £180.

5514—Circular-Fronted Brougham; manufactured by the Exhibitor. Price £147.

5515—Single-Seated Brougham; manufactured by the Exhibitor. Price £136 10s.

5516—Circular-Front 'Bus; manufactured by the Exhibitor. Price £126.

5517—Stanhope Waggonette; manufactured by the Exhibitor. Price £73 10s.

5518—4-Wheel Dog Cart; manufactured by the Exhibitor. Price £73 10s.

5519—Doctor's 4-Wheel Gig; manufactured by the Exhibitor. Price £80.

5520—Victoria Phaeton; manufactured by the Exhibitor. Price £126.

5521—Huntingdon Car; manufactured by the Exhibitor. Price £35.

5522—Rustic Car; manufactured by the Exhibitor. Price £35.

5523—Miniature Parisian; manufactured by the Exhibitor. Price £42.

5524—Full-Size Parisian Phaeton; manufactured by the Exhibitor. Price £45.

5525—Set of Brown Pair Pony Harness; manufactured by the Exhibitor. Price £22.

5526—Set of Full-Mounted Silver Horse Harness; manufactured by the Exhibitor. Price £15 15s.

5527—Set of Full-Mounted Silver Cob Harness; manufactured by the Exhibitor. Price £12 12s.

Stand No. 230.—*Rock and Hawkins, of Hastings, Sussex.*

Article 5528—Hastings Landau; manufactured by the Exhibitors. Price £126. Canoe shape. Miniature size for one horse, very light in draught, solidly built; best materials and workmanship throughout; patent axles with wrought-iron boxes; lined with brown cloth; painted brown in relief; plated mountings and lamps.

5529—Hastings Landau; manufactured by the Exhibitors. Price £129 3s. Square shape. Miniature size for one horse, very light in draught, solidly built; best materials and workmanship throughout; patent axles with wrought-iron boxes; lined with blue cloth; painted lake and relief; plated mountings and lamps.

5530—Village Cart; manufactured by the Exhibitors. Price £26 5s. The "Ladies' Shape," 13-hands size; body of walnut-wood varnished; wheels, &c., painted brown and relief; lining, brown cloth.

5531—C-Spring Village Cart; manufactured by the Exhibitors. Price £28 7s. 13-hands size; body of walnut-wood varnished; wheels, &c., painted brown and relief; lining, brown cloth.

5532—Rustic Cart; manufactured by the Exhibitors. Price £31 10s. The "Ladies' Shape," 14-hands size; body of walnut-wood varnished; wheels, &c., painted brown and relief; lining, brown cloth.

5533—Rustic Cart; manufactured by the Exhibitors. Price £32 11s. The "Gentleman's Shape," 15-hands size; body of walnut-wood varnished; wheels, &c., painted brown and relief; lining, brown cloth.

Stand No. 231.—*Brainsby and Sons, of Peterborough, Northamptonshire.*

5534—Registered 2-Wheeled Brougham; manufactured by the Exhibitors. Price £84. With lamps complete.

5535—Headed Wagonette; manufactured by the Exhibitors. Price £98. Lamps, and shafts for one horse.

5536—Dog Cart; manufactured by the Exhibitors. Price £35. With lamps.

5537—Luggage or Market Cart; manufactured by the Exhibitors. Price £24.

Stand No. 232.—*Bligh Brothers, of Canterbury and Faversham, Kent.*

Article 5538—Light Angular Stanhope Phaeton; manufactured by the Exhibitors. Price £75. With patent steps to front and hind part, and an arrangement for ladies to ascend to hind seat without the inconvenience of getting over the wheel.

5539—Light Parisian Park Phaeton; manufactured by the Exhibitors. Price £52 10s. Suitable for a lady to drive.

5540—Oxford Cart; manufactured by the Exhibitors. Price £38. Hung on the most improved principle, with india-rubber bearings to shafts.

5541—Shooting Cart; manufactured by the Exhibitors. Price £42. Hung on the most improved principle, with india-rubber bearings to shafts.

Stand No. 233.—*H. W. Howes, of Norwich.*

Article 5542—Norfolk Shooting Cart; manufactured by the Exhibitor. Price £36 15s.

5543—Essex Cart; manufactured by the Exhibitor. Price £36 15s.

5544—Parisian Phaeton; manufactured by the Exhibitor. Price £47 5s.

5545—Alexandra Car; manufactured by the Exhibitor. Price £32 11s.

5546—Norfolk Car; manufactured by the Exhibitor. Price £34 13s.

5547—Dog Cart; manufactured by the Exhibitor. Price £31 10s.

Stand No. 234.—*Thomas Blake Ayshford, of Britannia Works, Waltham Green, Middlesex.*

Article 5548—Patent Adjusting Dog Cart; manufactured by the Exhibitor. Price 60 guineas. Well adapted for tandem driving; indispensable for hilly countries, obviating the shifting of seats, and a perfect balance obtained.

5549—Patent Adjusting Cart; manufactured by the Exhibitor. Price 60 guineas. Superior luggage cart; plenty of inside room for dogs; 5-ft. wheels, and runs remarkably light; draw-bar and chains attached direct from axletree.

5550—Village Phaeton; manufactured by the Exhibitor. Price 55 guineas. To seat six persons; easy of ingress and egress; adapted for any size cob or horse; very light and roomy.

5551—Village Phaeton; manufactured by the Exhibitor. Price 50 guineas. To seat four persons, weight under 4 cwt.; adapted for pony 13 hands 2 in. or more; long leather wings and park-shaped dash.

5552—Stanhope Waggonette; manufactured by the Exhibitor. Price 70 guineas. Forms a Stanhope driving phaeton, and convertible to a waggonette; to seat six persons.

5553—Parisian Phaeton; manufactured by the Exhibitor. Price 40 guineas. Room for four inside, and hind portable rumble seat to shift.

5554—Small Parisian Phaeton; manufactured by the Exhibitor. Price 35 guineas. Has long wings preventing dirt upon ladies' dresses in getting in and out; seats two persons, and hind rumble.

5555—Manchester Improved Cart; manufactured by the Exhibitor. Price 50 guineas. Hung on long springs, with lancewood shafts and fulcrums. The whole of the above articles made of best warranted materials and workmanship; painted and trimmed any colour to choice.

Stand No. 235.—*E. and A. Andrews, of Winchester, Hampshire.*

Article 5556—Improved Landaulette, with Patent Head, Painted Lake, Lined Blue; manufactured by the Exhibitors. Price £150.

5557—Light Barouche, Painted and Lined Green; manufactured by the Exhibitors. Price £110.

5558—Beatrice Pony Phaeton, in Oak and Walnut, Lined Brown; manufactured by the Exhibitors. Price £40.

5559—Waggonette, Painted and Lined Brown, Pole, Bar, and Shafts, and Patent Break; manufactured by the Exhibitors. Price £80.

5560—Siamese Stanhope, Painted and Lined Green; manufactured by the Exhibitors. Price £75.

5561—Stanhope Phaeton, Painted and Lined Blue; manufactured by the Exhibitors. Price £63.

Stand No. 236.—*Samuel Hart, of 79, New Bond Street, London, W.*

Article 5562—Canoe Landau; manufactured by the Exhibitor. Price 200 guineas. Fitted with Hart's patent head; can be opened and closed by the occupant.

5563—Single Brougham; manufactured by the Exhibitor. Price 150 guineas. Exceedingly light; fitted with our patent india-rubber step.

5564—Patent Country Landau; manufactured by the Exhibitor. Price 140 guineas. Specially adapted for one horse; shorter in draught than any brougham; self-acting head.

5565—"Victoria;" manufactured by the Exhibitor. Price 120 guineas. Very roomy and extraordinarily light; steel under-carriage.

5566—Patent Thagma Waggonette; manufactured by the Exhibitor. Price 75 guineas. Fitted with double-action sliding seats, obviating the necessity of getting over the wheels.

5567—Patent Thagma Waggonette; manufactured by the Exhibitor. Price 75 guineas. Reversible to Stanhope Phaeton; front and hind seat opens to enable a person to gain either seat without getting over the wheels.

5568—Royal Registered Stanhope Phaeton; manufactured by the Exhibitor. Price 65 guineas. Under 4 cwt.; patent inch spring, and hickory wheels.

Stand No. 237.—*Joseph Offord, of 79, Wells Street, and 92, Gloucester Road, London, W.*

Article 5569—Angular-Shaped Landau, with Open Crane Boot and Patent Self-Acting Head; manufactured by the Exhibitor. Price 210 guineas.

5570—Angular-Shaped Combenette Landau, with Patent Self-Acting Head; manufactured by the Exhibitor. Price 190 guineas.

5571—Canoe-shaped Landau, Fitted with Offord's Patent for Opening the Head; manufactured by the Exhibitor. Price £210 guineas.

5572—Handsome Single-Seated Brougham; manufactured by the Exhibitor. Price 145 guineas.

5573—Victoria, hung upon C- and Under-Springs; manufactured by the Exhibitor. Price 185 guineas.

5574—Victoria, hung upon Elliptic Springs; manufactured by the Exhibitor. Price 140 guineas.

5575—Reversible Waggonette; manufactured by the Exhibitor. Price 85 guineas.

Stand No. 238.—*Henry Sainsbury and Henry Edward Merrett, of Curtain Road, Finsbury, London.*

Article 5576—New Automatic Paragon Patent Safety Carriage, with Self-Lubricating and Noiseless Wheels, Constructed to Work with or without Axletrees; manufactured by the Exhibitors. Price 80 guineas. This principle dispenses with the "king" or "perch" bolt now in use, and can be applied to all kinds of existing carriages. It is impossible for vehicles thus constructed to break down through the coming off of the wheels, &c.

Stand No. 239.—*Messrs. Inwood and Rawlins, of Alma Carriage Works, St. Albans, Herts.*

Article 5577—Single Brougham; manufactured by the Exhibitors. Price £126. Painted black, green, and green trimmed green. The hind part is hung on C-springs; prevents the unpleasant jar to the occupants so much complained of, and it is noiseless as possible over the roughest road or tramway.

5578—"The Cyprus"; manufactured by the Exhibitors. Price £95. A carriage of entirely new design and principle of hanging, embracing four distinct carriages in one; remarkably light, yet exceedingly roomy. Rides as easily with one as with six persons. Four springs in front and C spring behind. No unpleasant jar, and as noiseless as possible over the roughest roads and tramways.

5579—Cyprus Dog Cart (a Gentleman's Trap); manufactured by the Exhibitors. Price £37. A dog cart of new design, hung on the very best principle, with draw bar and chains. Well adapted for sporting, &c. Very roomy and at the same time light.

5580—C-Spring Pony Cart; manufactured by the Exhibitors. Price £28. Well adapted to rough roads, &c. Cart suitable for ladies or children.

5581—Clerical Cart; manufactured by the Exhibitors. Price £23. A good useful cart, well built and cheap.

5582—Headed Stanhope Phaeton; manufactured by the Exhibitors. Price £95. Hung on C-springs at hind part, which causes it to ride easier and deadens the sound, than those hung in the ordinary way. Will ride as easy with one as four.

5583—The Élite Phaeton; manufactured by the Exhibitors. Price £37. New design; easy of ingress and egress. Well adapted for ladies and children. Under duty.

5584—Hooded Gig; manufactured by the Exhibitors. Price £37 15s. with hood. Hung on C-springs. This will ride easier than any gig ever invented. Painted green and black, trimmed green.

Stand No. 240.—*S. Smith and Co., of Halesworth, Suffolk.*

Article 5585—Miniature 1-Horse Square Landau; manufactured by the Exhibitors. Price £157 10s. Fitted with patent self-acting head and lever break.

5586—Patent Perithron Stanhope Waggonette; manufactured by the Exhibitors. Price £68 5s. Allows a lady to pass from back to front without descending.

5587—Patent Perithron Stanhope Waggonette; manufactured by the Exhibitors. Price £73 10s. Fitted with "The Magic Door," patented, by which a person seated in front can open and close the door behind.

Stand No. 241.—*Gold Brothers, of the Royal Carriage Works, Windsor, Berkshire.*

Article 5588—(*New Article.*)—First Prize Malvern Dog Cart; manufactured by the Exhibitors. Price 30 guineas.

5589—(*New Article.*)—First Prize Whitechapel Dog Cart; manufactured by the Exhibitors. Price 30 guineas.

5590—(*New Article.*)—First Prize Stanhope Gig; manufactured by the Exhibitors. Price 30 guineas.

5591—(*New Article.*)—Reversible Stanhope Waggonette; manufactured by the Exhibitors. Price 50 guineas.

5592—(*New Article.*)—New Rustic Cart; manufactured by the Exhibitors. Price 26 guineas.

5593—(*New Article.*)—First Prize Station Cart; manufactured by the Exhibitors. Price 30 guineas.

5594—(*New Article.*)—New Pony Gig; manufactured by the Exhibitors. Price 30 guineas.

Stand No. 242.—*John Spencer, of 5, Euston Road, London.*

Article 5595—New Patent Circular-Fronted Hansom Cab; manufactured by the Exhibitor. Price £80. Fitted with Spencer's patent front window, patent hanging irons, and patent leverage for the driver opening and closing the doors. This cab combines the comforts and style of a brougham.

5596—New Patent Circular-Fronted Hansom Cab; manufactured by the Exhibitor. Price £70. With patent improvements, but differing from the above.

5597—New Patent Hansom Cab; manufactured by the Exhibitor. Price £60. Patent improvements, but differing from the above.

Stand No. 243.—*Thomas Startin and Sons, of Benacre Street, Bristol Street, Birmingham.*

Article 5598—Landau, with Patent Self-Acting Head; invented and manufactured by the Exhibitors. Price £210. Constructed on beautiful lines, opening from front pillar, thus preventing unsightly appearance and obstruction of projecting arm of front when the back is down, as in ordinary landaus, whereby occupants may leave the carriage comfortably without hindrance or danger. Colour, dark crimson lake, trimmings to match; in French style.

5599—Landau; invented and manufactured by the Exhibitors. Price £210. Finished with all the improvements as above. Colour, olive green, trimmings in satin, cloth, lace, &c., to match French style.

5600—Miniature Landau; invented and manufactured by the Exhibitors. Price £180. Finished with all the improvements as above. Colour, royal blue, trimmings to match.

5601—Miniature Landau; invented and manufactured by the Exhibitors. Price £180. Finished with all the improvements as above. Colour, brown, trimmings to match.

5602—Brougham; manufactured by the Exhibitors. Price £160. Colour, olive green, trimmings satin, cloth, lace, &c., to match; in French style.

Stand No. 244.—*Charles Thorn, of Norfolk Carriage Works, Norwich.*

Article 5603—Close Carriage; manufactured by the Exhibitor. Price £131 5s.

5604—Open Carriage; manufactured by the Exhibitor. Price £157 10s.

5605—Victoria; manufactured by the Exhibitor. Price £126.

5606—Park Phaeton; manufactured by the Exhibitor. Price £105.

5607—Stanhope; manufactured by the Exhibitor. Price £68 5s. With patent seat and step.

5608—Waggonette; manufactured by the Exhibitor. Price £78 15s. With patent seat and step.

5609—Four-Wheel Dog Cart; manufactured by the Exhibitor. Price £57 15s.

5610—Shooting Cart; manufactured by the Exhibitor. Price £50 8s.

5611—Lorne Car; manufactured by the Exhibitor. Price £39 18s.

5612—Alexandra Car; manufactured by the Exhibitor. Price £39 18s.

5613—Norwich Car; manufactured by the Exhibitor. Price £38 17s.

5614—Whitechapel Cart; manufactured by the Exhibitor. Price £42.

5615—Tandem Cart; manufactured by the Exhibitor. Price £47 5s.

5616—Shooting Car; manufactured by the Exhibitor. Price £39 18s.

5617—Gig; manufactured by the Exhibitor. Price £42.

5618—Inside Car; manufactured by the Exhibitor. Price £21.

Stand No. 245.—*Henry Hayes and Son, of Stamford, and Peterborough.*

Article 5619—Royal Society's First Prize Pair-Horse Waggon; manufactured by the Exhibitors. Price £40.

5620—Improved London and Paris Prize 1-Horse Van, on Springs and Patent Axles; manufactured by the Exhibitors. Price £47.

5621—Wine Merchant's or Mineral Water Van; manufactured by the Exhibitors. Price £40.

5622—Brewer's or Maltster's Waggon; manufactured by the Exhibitors. Price £63. Upon improved construction, floating-outraves, best quality springs and axles.

5623—Improved Miller's and Corn Merchant's Waggon; manufactured by the Exhibitors. Price £63. Body with circular front, underworks with "Jacob lock," high front wheels, and will turn in short space.

5624—Improved Milk or Dairy Van on Springs and Patent Axles; manufactured by the Exhibitors. Price £36; break, £3 5s. extra.

5625—Improved London Brewer's Dray on Springs and Patent Axles; manufactured by the Exhibitors. Price £48.

5626—Improved Brewer's Float, Carries 6 Barrels; manufactured by the Exhibitors. Price £33. With strong oak frame, ornamental head board, deep side rails for empties, bent shafts and compassed brace; best quality axles, three springs, and high wheels.

5627—Improved Brewer's Float, to Carry 6 Kilderkins; manufactured by the Exhibitors. Price £28. As above, but lighter.

5628—Improved Dairyman's Milk Float; manufactured by the Exhibitors. Price £21.

5629—Improved Goods Lorrie, with High Front, on Springs and Patent Axles; manufactured by the Exhibitors. Price £30.

5630—Improved Pair-Horse Trolley; manufactured by the Exhibitors. Price £40. Portable side rails, driver's seat and footboard, high front, &c., springs and patent axles.

5631—Improved Pair-Horse Town Van; manufactured by the Exhibitors. Price £55. Driver's seat, pole; shafts, £2 extra.

5632—Improved Circular Fronted Van; Springs and Patent Axle; manufactured by the Exhibitors. Price £42.

5633—Improved Builder's or Timber Merchant's Van; manufactured by the Exhibitors. Price £37.

5634—Improved Builder's or Joiner's Spring Tip-Cart; manufactured by the Exhibitors. Price £27.

5635—Improved Builder's 1-Horse Cart; manufactured by the Exhibitors. Price £17 10s.

5636—Improved Contractor's Cart, Extra Strong; manufactured by the Exhibitors. Price £23. Best patent axles, high wheels, 4 in. by 2-in. tyres.

5637—Improved Contractor's Earth or Brick Cart; manufactured by the Exhibitors. Price £20.

5638—Improved Royal Society's First Prize 1-Horse Cart; manufactured by the Exhibitors. Price £17.

5639—Improved Royal Society's First Prize 2-Horse Cart; manufactured by the Exhibitors. Price £18. Similar to above, but larger and stronger.

5640—Improved Royal Society's First Prize Market Cart; manufactured by the Exhibitors. Price £28. Well adapted for shooting, luggage, and station work.

5641—Improved Royal Society's First Prize Market Cart; manufactured by the Exhibitors. Price £25.

5642—Navvy or Excavator's Wheelbarrow. Price 12s. 6d.

5643—Brick Maker's Crowding Barrows. Price £1 4s.

5644—Brick Maker's Off-Bearing Barrow on Springs. Price £1 14s.

5645—Manchester Whitechapel Dog Cart. Price £28 10s. With lamps and apron.

5646—Cumberland Whitechapel Dog Cart. Price £31 10s. Leather wings and dash, lamps and apron.

5647—"Connaught" Car. Price £31 10s. The handsomest little trap yet introduced; adjusting shafts to suit different sized horses, lamps and apron.

5648—Oxford Tandem Cart. Price £42. As supplied to His Highness the Prince Rohan, of Bohemia. Patent india-rubber treads to steps, adjusting shafts. Prize Medal, London, 1873.

5649—Improved Stanhope Waggonette. Price £68.

5650—Registered Medical Cab; manufactured by the Exhibitors. Price £94. A perfect brougham on two wheels. Has Hayes & Son's registered door.

5651—Registered Brougham Waggonette; manufactured by the Exhibitors. Price £120. The only perfect carriage of its kind.

5652—Set of Van or Cart Harness. Price £6 15s.

Stand No. 246.—*Brown Brothers and Co., of 470, Oxford Street, London, W.C.*

Article 5653—Patent Kitchen Range, without Dampers or Brick Flues; manufactured by the Exhibitors. Price £32.

5654—Hot Steam Closet; manufactured by the Exhibitors. Price £8 15s. A useful appendage to Article No. 5653.

5655—Set of Steaming Kettles; manufactured by the Exhibitors. Price £6 10s. Adapted for Articles Nos. 5653 and 5654.

5656—Patent Automaton Roaster; manufactured by the Exhibitors. Price £4 10s. Adapted to Article No. 5653. Will roast four joints at the same time before the fire, keeping the gravy of each joint separate. It has no weights nor springs, needs no winding up, and is the nearest approach to perpetual motion ever invented. Thousands are in use which have stood the test of many years' practical use.

5657—Patent Kitchen Range, without Dampers or Brick Flues; manufactured by the Exhibitors. Price £22. Specially adapted for farm-houses and residences remote from towns.

5658—Patent Roasting Apparatus; manufactured by the Exhibitors. Price £3 10s. Adapted to Article No. 5657; similar to Article No. 5656.

5659—(*New Implement.*)—Patent Kitchen Range; manufactured by the Exhibitors. Price £19 10s. Similar to Article No. 5653. Fitted with additional oven and other improvements recently adapted, at proportionate increase in price.

5660—Patent Roasting Jack; manufactured by the Exhibitors. Price £3. Similar to Article No. 5656.

5661—Patent Kitchen Range; manufactured by the Exhibitors. Price £14 10s. Similar to Article No. 5653.

5662—Patent Roasting Apparatus; manufactured by the Exhibitors. Price £2 10s. Similar to Article No. 5656.

5663—Patent Kitchen Range; manufactured by the Exhibitors. Price £9 9s.

5664—(*New Implement.*)—Patent Kitchen Range; manufactured by the Exhibitors. Price £10. Similar to Article No. 5663, but smaller. With special boiler adapted for warming cheese-rooms, dairies, halls, &c., and for supplying hot water for bath-rooms, &c. A marvel of simplicity, efficiency, and cheapness.

5665—Patent Kitchen Range; manufactured by the Exhibitors. Price £8. Similar to Article No. 5663.

5666—Patent Roaster; manufactured by the Exhibitors. Price £2 4s. Like Article No. 5656, adapted to Articles No. 5663, No. 5664, and No. 5665.

5667—Patent Kitchen Range, Portable or Fixed; manufactured by the Exhibitors. Price £7.

5668—(*New Implement.*)—Patent Cooking Range; manufactured by the Exhibitors. Price £5. An application (at a marvellously low price) of the principles which have justly made Brown Brothers and Company famous all over the world as inventors and manufacturers.

5669 to 5672—(*New Implements.*)—Four Cooking Ranges; manufactured by the Exhibitors. Prices from £2 17s. 6d. to £4 5s. Similar to Article No. 5668.

5673—(*New Implement.*)—Patent Smoke-Consuming Kitchen Range; manufactured by the Exhibitors. Price £22. Constructed on principles entirely new in their application. The economy in fuel is astonishing. Chimney-sweeps and cinder-sifting altogether dispensed with. Must be seen to be appreciated. Too simple for description.

5674—Patent Smoke-Consuming Cooking Apparatus; manufactured by the Exhibitors. Price £12. Similar to Article No. 5673.

5675 to 5677—Three Smoke-Consuming Ranges; manufactured by the Exhibitors. Prices from £3 8s. 6d. to £5 5s. Similar to Article No. 5673 and Article No. 5674.

5678 to 5680—Patent Slow-Combustion Stoves; manufactured for the Exhibitors. Prices from £1 10s. to £3. Constructed especially for cheese-rooms, dairies, cider stores, and other purposes where a steady regular heat is desired to be maintained for a long time without any attention, dust, smoke, or risk.

5681 to 5683—Patent Slow-Combustion Laundry Stoves; manufactured for the Exhibitors. Prices from 15s. to £2 5s. Constructed on the same principle as the previous article.

5684 to 5686—Portable Farm Boilers, on Wheels; manufactured by the Exhibitors. Prices from £3 8s. to £4 5s. For cooking food for pigs and cattle.

5687 to 5690—Collins's Patent Dairy and Cheese-Room Stoves; manufactured for the Exhibitors. Prices from £1 15s. to £3 5s. Largely used by Mr. Harding, of Cheddar cheese celebrity.

5691—Collins's Patent Combined Cheese-Making and Cheese-Room Warming Apparatus; manufactured for the Exhibitors. Price £25. In use by the most eminent and successful cheese manufacturers both at home and abroad. It is portable, easily moved about, and can be taken down and re-fixed in half-an-hour. Provides constant supply of hot water for washing-up utensils, &c.

5692 to 5695—Patent Prize Medal Cheese Rennet Extract (Sample); manufactured for the Exhibitors. Price, pint, 1s. 6d.; quart, 2s. 6d.; $\frac{1}{2}$ -gallon, 5s.; gallon, 10s. Is a perfect substitute for vells. Since its introduction the demand has enormously increased. Secures uniformity of strength, absolute purity, increased quantity of cheese, and superiority of flavour.

5696—Patent Ice-Making Machine, for Facilitating Butter-Making in Hot Weather; manufactured by the Exhibitors. Price £2 10s. Without trouble or expense a solid block of ice, weighing $\frac{1}{2}$ lb., can be made in five minutes. Ice cream, &c., can be made in the same machine. (*See Machines in Motion.*)

5697 to 5709—Patent Solid Block Ice-Making Machines; manufactured by the Exhibitors. Price from £4 4s. Similar to Article No. 5696. Constructed to make solid blocks of ice in five minutes, weighing from $1\frac{1}{2}$ lb. to 24 lbs. Ice creams, ice puddings, and dessert ices can be made in the same machines. Wines in bottles can also be cooled (iced).

5710—Samples of Inexhaustible and Indestructible Freezing Composition; manufactured for the Exhibitors. Price from 10s. 6d.

5711 to 5718—(*New Implement.*)—Patent Portable Sheep Shelters and Fold and Disease Preventers; joint invention of G. R. Turner and Tom Brown, Esqrs.; manufactured by the Exhibitors. Price, in sections, from £6 6s.; and in combination, from £50. Constructed to provide not only shelter for sheep from ill effects of weather of all kinds, but a dry floor to lay upon when feeding turnips, &c., off heavy land.

5719 to 5728—Patent Wrought-Iron Sheep and Pig Troughs; manufactured for the Exhibitors. Price from 14s. to £2 10s. Are immensely stronger than any other form, and prevents the food from being routed out, consequently effecting a considerable saving.

5729 to 5732—Portable Cooking Ranges, Specially Constructed for Shepherds' Huts, Labourers' Cottages, &c.; manufactured by the Exhibitors. Price from £3 to £4 15s.

Stand No. 247.—*S. and E. Ransome and Co., of*
10, Essex Street, Strand, London, W.C.

Article 5733—Samples of Ransome's Patent Grindstones; manufactured for the Exhibitors. Price from 4s. to £12 each. These stones are uniform in texture, and are possessed of the most extraordinary cutting or grinding properties.

5734—Samples of Leather Belting; manufactured for the Exhibitors. Price from 9d. per foot. The best materials only are used in the manufacture of these belts.

5735—Samples of Steam Gauges; manufactured by Schaffer and Budenberg, of Buckaw. Price from £1 5s. to £5 each. Very accurate, simple and durable; are well made.

5736—Samples of Boiler Fittings; manufactured for the Exhibitors. Price from 5s.

5737—Weston's Patent Differential Pulley Block, $\frac{1}{4}$ Ton; manufactured for the Exhibitors. Price 12s. 6d.; chain 6d. per foot. Is self-sustaining. The load cannot run down.

5738—Weston's Patent Differential Pulley Block, $\frac{1}{2}$ Ton; manufactured for the Exhibitors. Price £1; chain 6d. per foot. Description as above.

5739—Weston's Patent Differential Pulley Block, 1 Ton; manufactured for the Exhibitors. Price £1 10s.; chain 9d. per foot. Description as above.

5740—Patent Break Pulley, 1 Ton; manufactured for the Exhibitors. Price £2 10s.; chain 1s. 3d. per foot. A self-sustaining pulley, with break for quick lowering.

5741—Samples of Hewitt and Goff's Rope Pulley Blocks; manufactured for the Exhibitors. Price from 11s. to £6 per set. These pulleys are self-sustaining, and with them one man can lift a heavier weight than with the ordinary rope blocks.

5742—Samples of Rope Pulley Blocks (London Pattern); manufactured for the Exhibitors. Price from 5s. to £20 each. Very strong, and well made.

5743—Samples of Pump Valves (Perreaux's); manufactured by Perreaux and Co., of London. Price from 6d. to £3 each. Specially adapted for paper mills, &c., where a large free way is required.

5744—Patent Safety Sack Hoist "E," 2½ Cwt.; manufactured for the Exhibitors. Price £3 10s. This hoist is self-sustaining; no time is lost in running up and down the empty hook.

5745—Patent "Bracket" Safety Crab, "D 1," 2½ Cwt.; manufactured for the Exhibitors. Price £3 10s. There is no danger of hurting any one through handle "running round," as such a thing cannot occur.

5746—Johnson's Patent Wave Wheel Hoisting Winch, No. 1; manufactured for the Exhibitors. Price £2 12s. 6d. Very effective in raising pails, basket loads, &c., to any height; strong and well made; very portable.

5747—Single Purchase Hoisting Crab, 4 Tons; manufactured for the Exhibitors. Price £3. Very strong, and well finished.

5748—Haley's Lifting Jack, Wood Case, 10 Tons; manufactured for the Exhibitors. Price £6 5s.

5749—Haley's Jack, Iron Case, 6 Tons; manufactured for the Exhibitors. Price £4 5s.

5750—Hydraulic Lifting Jack, 10 Tons; manufactured for the Exhibitors. Price £8.

5751—Samples of Agricultural Lifting Jacks; manufactured for the Exhibitors. Price from 10s. to £1 10s. each. Well and strongly made.

5752—Samples of Ratchet Braces; manufactured for the Exhibitors. Price from 11s. 6d. each.

5753—Samples of Spanners; manufactured for the Exhibitors. Price from 3s. each.

5754—Samples of Tube Cutters; manufactured for the Exhibitors. Price from 19s. 6d. each.

5755—Patent "Cam" Parallel Vice, 3½ In. Jaws; manufactured for the Exhibitors. Price £2 1s. A very strong and simple vice; much time is saved by its use.

5756—Assortment of Stand and other Vices (Samples); manufactured for the Exhibitors. Price from £3 to £12 each.

5757—Portable Forge, No. 01; manufactured for the Exhibitors. Price £6. A good strong, serviceable article.

5758—Patent Fan Portable Forge, No. 2; manufactured for the Exhibitors. Price £7. A very strong forge; the most efficient and best value in the market.

5759—Amateur's Lathe; manufactured for the Exhibitors. Price £7. Beautifully fitted for the purpose intended.

5760—Patent Duplex Punch, No. 1; manufactured for the Exhibitors. Price £5 10s. Well made, simple and powerful.

5761—Baird's Lever Punch, No. A; manufactured for the Exhibitors. Price £6 10s. Description as above.

5762—Patent Hydraulic Punch, No. 1; manufactured for the Exhibitors. Price £10. Can be worked in any position; is mounted on legs, which can be detached when necessary.

5763—Samples of Files (Ransomes'); manufactured for the Exhibitors. Price from 5s. per dozen. Very good and durable.

5764—Samples of Emery Wheels (Ransomes'); manufactured for the Exhibitors. Price from 2s. 6d. to £30 each.

5765—Hoffman's Patent Hand Shears, No. 2; manufactured for the Exhibitors. Price £2 15s. These compact and efficient shears are decidedly amongst the most useful tools ever offered for cutting iron plate.

5766—Samples of Engine Counters; manufactured for the Exhibitors. Price from £3 each. A simple, compact, and ingenious apparatus for counting numbers of strokes or revolutions.

5767—Samples of Coffee Mills; manufactured for the Exhibitors. Price from 6s. to £12 each.

5768—Samples of Paint Mills; manufactured for the Exhibitors. Price £2 2s. The mills are very useful to all large users of paint.

5769—Samples of Hale's Mincers; manufactured for the Exhibitors. Price from 15s. each.

5770—Samples of Excelsior Mincers; manufactured for the Exhibitors. Price from 10s. 6d. to £10 each.

5771—Samples of Nye's Mincers; manufactured for the Exhibitors. Price from 10s. 6d. to £8 each.

5772—Samples of Spong's Mincers; manufactured for the Exhibitors. Price from 8s. 6d. to £6 6s. each.

5773—Samples of Roche's Knife Cleaners; manufactured for the Exhibitors. Price from £1 12s. to £10 each.

5774—Ransomes' "Gem" Knife Cleaner; manufactured for the Exhibitors. Price £1 1s.

5775—Self-Acting Cinder Sifter; manufactured for the Exhibitors. Price £1 10s. A most novel and ingenious invention; saves much time. No waste, no dirt.

5776—"Norwegian" Cooking Apparatus and Ice Preserver, No. A A; manufactured for the Exhibitors. Price £1 1s. Will act as a cooking apparatus or as an ice preserver.

5777—Patent Self-Acting Cask Stand, No. 1; manufactured for the Exhibitors. Price 15s. each.

5778—Pullinger's "Wedge" Cask Stand; manufactured for the Exhibitors. Price 8s. 6d. each.

5779—Samples of Water Filters (Spongy-Iron); manufactured for the Exhibitors. Price from 17s. 6d. to £5 5s. each. Spongy-iron having been found the most efficient water purifier, it has been adapted to domestic "House" Filters with the greatest success.

5780—American Lantern; manufactured for the Exhibitors. Price 4s. This is a very good lantern for stable use.

5781—Samples of Mouse Traps; manufactured for the Exhibitors. Price from 2s. 6d. each. Each mouse caught resets the trap.

5782—Samples of Rat Traps; manufactured for the Exhibitors. Price from 1s. to £1 5s. each.

5783—(*New Implement.*)—Washing Machine, No. 1; manufactured for the Exhibitors. Price £2 10s. This is a very efficient machine, admirably adapted for domestic use.

5784—(*New Implement.*)—Washing Machine, No. 2; manufactured for the Exhibitors. Price £3 3s. Description as above.

5785—(*New Implement.*)—Washing Machine and Mangle Combined, No. 3; manufactured for the Exhibitors. Price £6. A more powerful machine, with a mangle combined.

5786—Samples of Wood Churns; manufactured for the Exhibitors. Price from £1 9s. to £3 3s. each. These churns are thoroughly well made.

5787—Rain-Water Filter (Ransomes' Patent Stone); manufactured for the Exhibitors. Price £1 5s. A most useful filter; ensures clean rain-water from the dirtiest tank, and renders it fit for all domestic purposes.

5788—Samples of Garden Chairs; manufactured for the Exhibitors. Price from 6s. 6d. to £1 12s. 6d.

5789—Samples of Garden Tables; manufactured for the Exhibitors. Price from 12s. 6d. each.

5790—Samples of Patent Scythe Stones; manufactured for the Exhibitors. Price 4s. per dozen. These are far superior to the natural stones.

5791—Samples of Iron Barrows; manufactured for the Exhibitors. Price from 10s. 6d. to £2 5s. each. Good, well made barrows for garden use.

5792—Samples of Hand Trucks; manufactured for the Exhibitors. Price from 15s. 6d. to £2 10s. each.

5793—Patent Stone Reaper Knife Sharpener (Ransomes'); manufactured for the Exhibitors. Price £2 2s. Mounted on strong, well-finished frames; they are the most useful and efficient machines ever offered.

5794—Samples of Corn and Flour Bins; manufactured for the Exhibitors. Price from 15s. to £3 each.

5795—Samples of Forged Steel Pipe Tongs; manufactured for the Exhibitors. Price from 1s. 6d. to 12s. each. Are made of solid forged steel, and have the strength of the common iron tongs, and yet weigh at least one third less.

5796—Set of Patent Swivel Unions; manufactured for the Exhibitors. Price from 4s. to £1 each. With this union, pipes can be coupled at any angle from a right angle to a straight line.

5797—Samples of Wrought-Iron Bottle Racks; manufactured for the Exhibitors. Price from 18s. to £4 10s. each.

5798—Patent Garden Engine and Barrow; manufactured for the Exhibitors. Price from £3 15s. to £5 each.

5799—Patent Hydrometer; manufactured for the Exhibitors. Price £1 10s. to £2 10s. each. For measuring the depth of water, &c., in tanks.

5800—Morticing Machine; manufactured for the Exhibitors. Price £12 12s.

5801—Samples of Drilling Machines; manufactured for the Exhibitors. Price from £2 10s. to £20.

5802—Samples of Sheep Shears; manufactured for the Exhibitors. Price from £1 6s. 6d. per dozen.

Stand No. 248.—*Messrs. Fairholme and Co., of 9, Great Winchester Street, London, E.C.*

Article 5803—(*New Implement.*)—Traction Springs for Horses doing All Kinds of Heavy Work; manufactured by the Exhibitors. Price 15s. 6d. per pair. Are springs in short tubes which are affixed to the harness or roller bolts as required. They are an immense assistance to a horse in starting a load; they prevent sore shoulders and save the horses all unnecessary straining and sudden shocks, and cure jibbing horses.

5804—Celluloid Harness and Other Articles in this Material; manufactured by the Celluloid Harness Company, of Newark, New Jersey, U. S. Price, see our price list.

5805—Artificial Manure; manufactured by the Liass Superphosphate Company, of New York. Price £10 10s. per ton. A manure manufactured under a new patent, by which the ammonia is so combined with the general mass that none of it is lost before being put into the ground. Recommended for vines as being destructive to phylloxera.

5806—Blasting Powder; manufactured by the Exhibitors. Price £32 per ton. A new blasting material, combining complete immunity from danger with low price and great power.

Stand No. 249.—*E. P. Bastin and Co., of West Drayton, Uxbridge, Middlesex.*

Article 5807—Sack Truck; manufactured by the Exhibitors. Price 18s. Having ash frame and cast-iron wheels.

5808—Tipping Truck; manufactured by the Exhibitors. Price £8 10s. For conveying manure, marl, chalk, &c., and for earth work.

5809—Tramway Truck; manufactured by the Exhibitors. Price £7 10s. For conveying stone, bricks, &c.

5810—Tramway Rail, Double Length; manufactured by the Exhibitors. Price 2s. per cwt. 14 ft. double length of bridge rail.

5811—Straw Thacking Fork; manufactured by the Exhibitors. Price 1s. 7d.

5812—Straw Rake; manufactured by the Exhibitors. Price 9d.

5813—Tempering Shovel; manufactured by the Exhibitors. Price 2s. 6d.

5814—Breeze Shovel; manufactured by the Exhibitors. Price 2s. 8d.

5815—Grafting Tool; manufactured by the Exhibitors. Price 3s. 2d.

5816—Burton Shovel; manufactured by the Exhibitors. Price 2s. 10d.

5817—Steel Mud Scoop, with Wood Handle. Price 4s. 3d.

5818—Wood Mud Scoop. Price 3s. 9d. Tipped with metal.

5819—Navy or Contractor's Wheelbarrow. Price 16s. With ash frame, elm top and legs, and cast-iron wheel.

5820—Wheelbarrow for Breeze or Ashes. Price 19s. With ash frame and legs, elm top, and cast-iron legs.

5821—Wheelbarrow for Sand, &c. Price 18s. With ash frame and legs, elm top, and cast-iron wheel.

5822—Wheelbarrow for Off-Bearing; manufactured by the Exhibitors. Price £1 9s. With best steel springs and sliding adjustment.

5823—Wheelbarrow for Wheeling Bricks; manufactured by the Exhibitors. Price £1 8s. With ash frame and iron legs, and cast-iron wheel.

5824—Moulding Table; manufactured by the Exhibitors. Price £1 8s. Made of best selected timber.

5825—Page and Page Irons for Moulding Table; manufactured by the Exhibitors. Price 4s. 9d.

5826—Mould and Stock for Making Bricks; manufactured by the Exhibitors. Price 10s. 6d.

5827— $1\frac{1}{2}$ -Bushel Basket; manufactured by the Exhibitors. Price 8s. For carrying earth, ashes, &c.; made of best cane throughout.

5828— $\frac{1}{2}$ -Bushel Basket; manufactured by the Exhibitors. Price 2s. 9d. For carrying earth, ashes, &c.; made of wicker.

5829—6-In. Galvanized Manure Pump with Sliding Suction; manufactured by the Exhibitors. Price £6 15s.

5830—Set of Wheelbarrow Bearings and Staples; manufactured by the Exhibitors. Price 1s. 4d. Cast-iron bearings, and wrought-iron staples.

5831—Iron Tempering Hoe with Ash Handle; manufactured by the Exhibitors. Price 3s. 6d.

5832—Wood Lute; manufactured by the Exhibitors. Price 2s. 6d. Made of elm, with ash handle.

5833—Iron Cuckold, with Ash Handle; manufactured by the Exhibitors. Price 3s. 10d.

- 5834**—Improved Cast-Iron Harrow, with Tines Complete; manufactured by the Exhibitors. Price £4.
- 5835**—Cast-Iron Grating (Large Size); manufactured by the Exhibitors. Price 9s. 6d.
- 5836**—Cast-Iron Grating (Small Size); manufactured by the Exhibitors. Price 8s. 6d.
- 5837**—Galvanized-Iron Hack Cover; manufactured by the Exhibitors. Price 3s.
- 5838**—Wood Hack Cover; manufactured by the Exhibitors. Price 1s. 6d.
- 5839**—Rubbish Screen, for Sifting Ashes, &c.; manufactured by the Exhibitors. Price £1 10s.
- 5840**—Circular Dust Sieve, 10 In. Diameter, for Ashes, &c.; manufactured by the Exhibitors. Price 2s. 2d.
- 5841**—Circular Dust Sieve, 14 In. Diameter, for Ashes, &c.; manufactured by the Exhibitors. Price 3s. 6d.
- 5842**—Circular Dust Sieve, 16 In. Diameter, for Ashes, &c.; manufactured by the Exhibitors. Price 4s.
- 5843**—Circular Dust Sieve, 26 In. Diameter, for Ashes, &c.; manufactured by the Exhibitors. Price 5s. 9d.
- 5844**—Grindstone, 18 In. Diameter, in Cast-Iron Trough; manufactured by the Exhibitors. Price £3 8s. 6d. For agricultural and general purposes.
- 5845**—Grindstone, 30 In. Diameter, in Cast-Iron Trough; manufactured by the Exhibitors. Price £5 10s.
- 5846**—Grindstone, 36 In. Diameter, in Cast-Iron Trough; manufactured by the Exhibitors. Price £6 15s.
- 5847**—Grindstone, 18 In. Diameter, Mounted on Wooden Frame; manufactured by the Exhibitors. Price £2 12s. For reaping-machine knives.
- 5848**—Steam Power Driving Motion; manufactured by the Exhibitors. Price £65. For working pumps, mills, &c.
- 5849**—Mud Pump or Elevator; manufactured by the Exhibitors. Price £30. For raising mud, chalk, water, &c.
- 5850**—Vertical Wood Pug Mill; manufactured by the Exhibitors. Price £15. With chain wheel, and shaft and knives complete.
- 5851**—Horizontal Cast-Iron Pug Mill; manufactured by the Exhibitors. Price £17. With wrought-iron shaft and knives.
- 5852**—Steam Donkey Pump, No. 2 Size; manufactured by the Exhibitors. Price £11 10s.
- 5853**—Steam Donkey Pump, No. 3 Size; manufactured by the Exhibitors. Price £15.
- 5854**—14-In. Chain Wheel; manufactured by the Exhibitors. Price 15s.
- 5855**—20-In. Chain Wheel; manufactured by the Exhibitors. Price £1 2s. 6d.
- 5856**—4-Ft. Chain Wheel; manufactured by the Exhibitors. Price £2 15s.
- 5857**—Rigger Wheel and Bolt for Carrying Chain; manufactured by the Exhibitors. Price 3s. 3d.

5858—Pair of Steel Springs for Off-Bearing Wheelbarrows; manufactured by the Exhibitors. Price 5s. per pair.

5859—Wrought-Iron Wheeling Plate, 6 In. by $\frac{1}{2}$ In.; manufactured by the Exhibitors. Price £6 10s. per ton.

5860—Fathom of $\frac{3}{8}$ -In. Best Tested Short Link Chain; manufactured by the Exhibitors. Price £20 10s. per ton.

5861—Fathom of $\frac{7}{16}$ -In. Best Tested Short Link Chain; manufactured by the Exhibitors. Price £18 10s. per ton.

5862—Fathom of $\frac{1}{2}$ -In. Best Tested Short Link Chain; manufactured by the Exhibitors. Price £16 10s.

5863—Cast-Iron Bowl; manufactured by the Exhibitors. Price 2s. 9d.

5864—Bundle Pallet Boards (1 Dozen); manufactured by the Exhibitors. Price 2s. 1d.

5865—Bundle Strikes (1 Dozen); manufactured by the Exhibitors. Price 7d.

5866—Length of 6-In. Single Leather Belting. Price 2s. 9d. per foot.

Stand No. 250.—*Howes and Sons, of the City Steam Carriage Works, Chapel Field, Norwich.*

Article 5867—Prize Medal Market or Station Cart; manufactured by the Exhibitors. Price 40 guineas. Roomy and light.

5868—Market or Whitechapel Cart; manufactured by the Exhibitors. Price 40 guineas.

5869—Market or Baggage Cart; manufactured by the Exhibitors. Price 40 guineas. An exceedingly light every-day cart.

5870—Prize Medal Lorne Car; manufactured by the Exhibitors. Price 40 guineas. Unrivalled in style and lightness.

5871—Lorne Car; manufactured by the Exhibitors. Price 35 guineas.

5872—Prize Medal Alexandra Car; manufactured by the Exhibitors. Price 40 guineas. Finished same as exhibited in Paris.

5873—Alexandra Car; manufactured by the Exhibitors. Price 35 guineas. Especially suitable for ladies.

5874—Alexandra Car; manufactured by the Exhibitors. Price 30 guineas. Pony size.

5875—Norwich Car; manufactured by the Exhibitors. Price 32 guineas. In varnished wood; adapted for hilly districts.

5876—Norwich Car; manufactured by the Exhibitors. Price 32 guineas. Roomy and light.

5877—Norfolk Shooting Car; manufactured by the Exhibitors. Price 32 guineas. Very light.

5878—Stanhope Gig; manufactured by the Exhibitors. Price 35 guineas.

5879—Village Gig; manufactured by the Exhibitors. Price 30 guineas.

5880—Parisian Phaeton; manufactured by the Exhibitors. Price 45 guineas. Weight under 4 cwt.

5881—Parisian Park Phaeton; manufactured by the Exhibitors. Price 42 guineas. Very light and stylish.

5882—Stanhope Phaeton Waggonette; manufactured by the Exhibitors. Price 70 guineas. The most useful carriage of the present day.

Stand No. 251.—*Robert Tinkler and Co. (Limited), of Penrith, Cumberland.*

Article 5883—Patent Barrel Churn, No. 0, with Napier Dashers; manufactured by the Exhibitors. Price £2 10s. Will make from $\frac{1}{2}$ to 6 lbs. of butter, and is fitted on a low stand suitable for standing on a table.

5884—Patent Barrel Churn, No. 0; manufactured by the Exhibitors. Price £2 10s. Similar to above, but made with diagonal dashers.

5885—Patent Barrel Churn, No. 0 A; manufactured by the Exhibitors. Price £4. Is fitted with high stand. Will make from $\frac{1}{2}$ to 10 lbs. of butter.

5886—Patent Barrel Churn, No. 1 B, with Napier Dashers; manufactured by the Exhibitors. Price £4 10s. Will make from $\frac{1}{2}$ to 15 lbs. of butter; fitted with all recent improvements.

5887—Patent Barrel Churn, No. 1 B, with Diagonal Dashers; manufactured by the Exhibitors. Price £4 10s. Will make from 1 to 15 lbs. of butter.

5888—Patent Barrel Churn, No. 2 C, with Napier Dashers; manufactured by the Exhibitors. Price £5. Will make from 1 to 25 lbs. of butter.

5889—Patent Barrel Churn, No. 2 C, with Diagonal Dashers; manufactured by the Exhibitors. Price £5. Will make from 1 to 25 lbs. of butter.

5890—Patent Barrel Churn, No. 3 D, with Napier Dashers; manufactured by the Exhibitors. Price £5 10s. Will make from 2 to 30 lbs. of butter.

5891—Patent Barrel Churn, No. 3 D, with Diagonal Dashers; manufactured by the Exhibitors. Price £5 10s. Will make from 2 to 30 lbs. of butter.

5892—Patent Barrel Churn, No. 4 E, with Napier Dashers; manufactured by the Exhibitors. Price £6. Will make from 2 to 40 lbs. of butter. Was awarded the R. A. S. E. First Prize at their great Trials.

5893—Patent Barrel Churn, No. 5 F, with Napier Dashers; manufactured by the Exhibitors. Price £6 10s. Will make from 2 to 60 lbs. of butter; well adapted for a large dairy.

5894—Patent Barrel Churn, No. 6 G, with Napier Dashers; manufactured by the Exhibitors. Price £7. Will make from 2 to 80 lbs. of butter; can be fitted with pedestals and pulley for power if required.

Stand No. 252.—*Robinson and Richardson, of Kendal, Westmorland.*

Article 5895—Barrel Churn, No. 0 Size; manufactured by the Exhibitors. Price £2 10s. To churn from 1 to 5 lbs. of butter.

5896—Barrel Churn, No. 2 A Size; manufactured by the Exhibitors. Price £3 5s. To churn from 1 to 12 lbs. of butter.

5897—Barrel Churn, No. 1 Size; manufactured by the Exhibitors. Price £4. To churn from 1 to 5 gallons of milk, or to make from 1 to 15 lbs. of butter from cream.

5898—Barrel Churn, No. 2 Size; manufactured by the Exhibitors. Price £4 15s. To churn from 1 to 20 lbs. of butter; with improved beaters and large opening, giving increased facility for putting in the cream and taking out the butter; also for cleaning.

5899—Barrel Churn, No. 2 Size; manufactured by the Exhibitors. Price £4 5s. To churn from 1 to 20 lbs. of butter from cream, or to churn from 1 to 7 gallons of milk.

5900—Barrel Churn, No. 3 Size; manufactured by the Exhibitors. Price £5. Same size as Article No. 5901, and fitted with large opening and improved beaters, same as Article No. 5898.

5901—Barrel Churn, No. 3 Size; manufactured by the Exhibitors. Price £4 10s. To churn from 1 to 10 gallons of milk; or to make from 1 to 25 lbs. of butter from cream.

5902—Barrel Churn, No. 4 Size; manufactured by the Exhibitors. Price £5 5s. Same size as Article No. 5903, and fitted with large opening and improved beaters, same as Article No. 5898.

5903—Barrel Churn, No. 4 Size; manufactured by the Exhibitors. Price £4 15s. To churn from 1 to 12 gallons of milk, or to make from 1 to 35 lbs. of butter from cream.

5904—Barrel Churn, No. 5 Size; manufactured by the Exhibitors. Price £5 5s. To churn from 1 to 15 gallons of milk, or to make from 2 to 45 lbs. of butter from cream.

5905—Barrel Churn, No. 6 Size; manufactured by the Exhibitors. Price £5 15s. To churn from 1 to 20 gallons of milk, or to make from 2 to 60 lbs. of butter from cream.

5906—Barrel Churn, No. 8 Size; manufactured by the Exhibitors. Price £7 5s. for hand. To churn for 35 gallons or to make from 10 to 120 lbs. of butter. Fitted with large opening and improved arrangement for attaching to power and regulating speed. Power appliances extra.

Stand No. 253.—*William Waide, of South Brook Street, Hunslet Lane, Leeds.*

Article 5907—Revolving Barrel Churn, No. 0; manufactured by the Exhibitor. Price £2 7s. 6d. A small churn to stand upon a table. Will make 6 lbs. of butter.

5908—Revolving Barrel Churn, No. 0; manufactured by the Exhibitor. Price £2 17s. 6d. Similar to the above, but fitted upon a high stand, and works upon friction wheels.

5909—Revolving Barrel Churn, No. 00; manufactured by the Exhibitor. Price £2 17s. 6d. To make 12 lbs. of butter. Works on a low stand on a table.

5910—Revolving Barrel Churn, No. 00; manufactured by the Exhibitor. Price £3 7s. 6d. Similar to the above; works on high stand and friction wheels.

5911—Revolving Barrel Churn, No. 1; manufactured by the Exhibitor. Price £4 2s. 6d. Similar to the above, but larger; high stand and friction wheels. Will make 18 lbs. of butter.

5912—Revolving Barrel Churn, No. 2; manufactured by the Exhibitor. Price £4 7s. 6d. Similar to the above, but larger. Will make 26 lbs. of butter.

5913—Revolving Barrel Churn, No. 3; manufactured by the Exhibitor. Price £4 12s. 6d. Similar to the above, but larger. Will make 36 lbs. of butter.

5914—Revolving Barrel Churn, No. 4; manufactured by the Exhibitor. Price £5 5s. Similar to the above, but larger. Will make 45 lbs. of butter.

5915—Revolving Barrel Churn, No. 5; manufactured by the Exhibitor. Price £5 15s. Similar to the above, but larger. Will make 65 lbs. of butter.

5916—Revolving Barrel Churn, No. 6; manufactured by the Exhibitor. Price £6 5s. Similar to the above, but larger. Will make 85 lbs. of butter.

5917—Model Barrel Churn, with Glass Ends; manufactured by the Exhibitor. To show the internal arrangement of the beaters in the other churns. (*Not for Sale.*)

5918—Nest of Oval Tubs, Various Sizes; manufactured by the Exhibitor. Price 2s. 6d. to 8s. each. These tubs are suitable for household, washing, culinary and dairy purposes.

Stand No. 254.—*W. H. Samuel, of Leighton Buzzard, Bedfordshire.*

Article 5919—(*New Implement.*)—Improved Revolving Barrel Churn, with Inclined Dashers, on Low Stand, for a Table; manufactured by the Exhibitor. Price £2 2s. 6d. To churn $\frac{1}{2}$ to 6 lbs. of butter.

5920—Improved Revolving Barrel Churn, on Low Stand, for a Table; manufactured by the Exhibitor. Price £2 10s. 6d. To churn 9 lbs. of butter.

5921—Improved Revolving Barrel Churn, on High Stand; manufactured by the Exhibitor. Price £3 3s. Suitable for small dairies. To make 12 lbs. of butter.

5922—Improved Revolving Barrel Churn, on High Stand, with Anti-Friction Rollers, Air-Valve, and Superior Stopper; manufactured by the Exhibitor. Price £4. To make 18 lbs. of butter.

5923—Improved Revolving Barrel Churn; manufactured by the Exhibitor. Price £4 5s. Similar to above, with superior fittings. To make 24 lbs. of butter.

5924—Improved Revolving Barrel Churn, with Inclined Beaters; manufactured by the Exhibitor. Price £4 7s. 6d. Superior improved stand. To make 30 lbs. of butter.

5925—Improved Revolving Barrel Churn, with Superior Fittings; manufactured by the Exhibitor. Price £4 10s. 6d. To make 36 lbs. of butter.

5926—Improved Revolving Barrel Churn, with Superior Fittings; manufactured by the Exhibitor. Price £5 2s. 6d. Very strong stand. To make 48 lbs. of butter.

5927—Improved Revolving Barrel Churn, with Inclined Beaters; manufactured by the Exhibitor. Price £5 10s. To make 60 lbs. of butter.

5928—Improved Revolving Barrel Churn, with Superior Strong Stand and Improved Handles; manufactured by the Exhibitor. Price £6.

5929—Revolving Plain-Barrel Churn (No. 21), on Low Stand; manufactured by the Exhibitor. Price £1 10s. 6d. To churn $\frac{1}{4}$ lb. to 6 lbs. of butter.

5930—Revolving Plain-Barrel Churn (No. 22), on Low Stand; manufactured by the Exhibitor. Price £1 12s. 6d. To make 9 lbs. of butter.

5931—Revolving Plain-Barrel Churn (No. 23), on High Stand; manufactured by the Exhibitor. Price £1 15s. To make 12 lbs. of butter.

5932—Revolving Plain-Barrel Churn (No. 24), with Inclined Beaters; manufactured by the Exhibitor. Price £2 2s. To make 18 lbs. of butter.

5933—Revolving Plain-Barrel Churn (No. 25); manufactured by the Exhibitor. Price £2 5s. To make 30 lbs. of butter.

5934—Disqualified—Informal entry.

5935—Assortment of Eight Butter Knives; manufactured by the Exhibitor. Price from 7s. 6d., and upwards.

5936—Assortment of Butter-Boards, Knives, and Butter Prints. Price from 6d. to 2s. 6d. each.

Stand No. 255.—*Thomas Higgin and Co., of 33, Tower Buildings West, Liverpool.*

Article 5937—Superior Quality of Dairy Salt; manufactured by the Exhibitor. Price 2s. 9d. per cwt. in strong white sacks containing 2 cwt. each; 3s. 6d. per cwt. in white linen bags containing $\frac{1}{4}$ cwt. each, delivered on railway at works. Higgins' "Eureka" Prize Medal Dairy Salt, in natural original crystals, not ground or crushed, free from all impurities; has made a great name in America, where it is preferred to any other brand.

Stand No. 256.—*Messrs. Herbert and Sons, of 6 and 7, West Smithfield, E.C., 319, Gray's Inn Road, W.C., and 47, St. George Street, E., London.*

Article 5938—Double Weighing Machine; manufactured by the Exhibitors. Price £5 5s. Suitable for corn merchants and general work.

5939—2-Cwt. Single Weighing Machine; manufactured by the Exhibitors. Price £2 15s. Fitted with wheels and handles.

5940—3-Cwt. Single Weighing Machine; manufactured by the Exhibitors. Price £3 10s. Fitted with wheels and handles.

5941—1-Cwt. Low Single Weighing Machine; manufactured by the Exhibitors. Price £1 15s.

5942—2-Cwt. Low Single Weighing Machine; manufactured by the Exhibitors. Price £2 10s. Fitted with wheels and handles.

5943—3-Cwt. Low Single Weighing Machine; manufactured by the Exhibitors. Price £3 5s. Fitted with wheels and handles; suitable for weighing cheese, bacon, and general goods.

5944—2-Cwt. Low Portable Weighing Machine; manufactured by the Exhibitors. Price £2 2s. For sack goods and general purposes.

5946—3-Cwt. Low Portable Weighing Machine; manufactured by the Exhibitors. Price £2 5s.

5946—4-Cwt. Low Portable Weighing Machine; manufactured by the Exhibitors. Price £4 5s. Extra strong and of guaranteed accuracy; for merchants' and warehouse use.

5947—2-Cwt. Lever Weighing Machine and Weights; manufactured by the Exhibitors. Price £2 12s. 6d. A handy machine for field work; the machine and weights complete can be easily carried by one man.

5948—3-Cwt. Lever Weighing Machine; manufactured by the Exhibitors. Price £3. Suitable for field work, and easily carried by one man.

5949—2-Cwt. Coal Waggon Weighing Machine; manufactured by the Exhibitors. Price £1 18s. Specially constructed for carrying under coal vans.

5950—2-Cwt. New Pattern Improved Imperial Weighing Machine; manufactured by the Exhibitors. Price £5 5s. A very compact machine, and the smallest and handiest machine made for the weight it carries; suitable for coal stores and unloading from railway trucks.

5951—56-lb. Coal Weighing Machine; manufactured by the Exhibitors. Price £1 7s. 6d. Fitted with galvanized scoop; also suitable for weighing cattle food, &c.

5952—3-Cwt. Portable Platform Weighing Machine; manufactured by the Exhibitors. Price £3 5s.

5953—4-Cwt. Portable Platform Weighing Machine; manufactured by the Exhibitors. Price £3 15s.

5954—5-Cwt. Portable Platform Weighing Machine; manufactured by the Exhibitors. Price £4 5s.

5955—10-Cwt. Portable Platform Weighing Machine; manufactured by the Exhibitors. Price £7.

5956—5-Cwt. Portable Platform Weighing Machine; manufactured by the Exhibitors. Price £4 15s. With wrought-iron back; suitable for weighing corn.

5957—3-Cwt. Portable Platform Weighing Machine; manufactured by the Exhibitors. Price £3 15s. With wrought-iron back; suitable for corn and general merchants.

5958—1 Personal Weighing Machine; manufactured by Messrs. Salter & Co., of Birmingham. Price £4 10s.

5959—4-Cwt. Butchers' Weighing Machine; manufactured by the Exhibitors. Price £4 10s. An extra strong machine, and very suitable for the provision trade.

5960—Wrought-Iron Coal Waggon Weighing Machine; manufactured by the Exhibitors. Price £1 18s. Fitted with hooks and chain for hanging under coal vans.

5961—3-Cwt. Field Weighing Machine; manufactured by the Exhibitors. Price £2 10s. Fitted with protecting boards, and wrought-iron handles for weighing sacks of potatoes.

5962—Screw-Top Stand Scales; manufactured by the Exhibitors. Price £3 15s. Fitted with china pillar and plate; suitable for provision merchants, cheesemongers, &c.

5963—Stand Scales; manufactured by the Exhibitors. Price £4 10s. Fitted with china pillar and plate; suitable for butchers.

5964—Sight-Hole Stand Scales; manufactured by the Exhibitors. Price £3 3s. Fitted with china pillar and plate, brass arm, and japanned green and gold.

5965—Pair Agate Stand Scales; manufactured by the Exhibitors. Price £5 5s. Fitted with china pillar and plate, and single brass arm.

5966—Pair Agate Stand Scales; manufactured by the Exhibitors. Price £3 3s. Fitted with brass arm, pillar, and scales; suitable for grocers, &c.

5967—Pair Agate Stand Scales; manufactured by the Exhibitors. Price £6. Fitted with double brass arm, china pillar, and plate; suitable for butchers.

5968—New Registered Pattern International Inverted Weighing Machine; manufactured by the Exhibitors. Price £6. Fitted with three china pillars and plate, brass weight scale, and japanned white and gold.

5969—New Registered Pattern International Inverted Weighing Machine; manufactured by the Exhibitors. Price £4 10s. Japanned green and gold, and fitted with china pillar and plate.

5970—28-Lb. Inverted Weighing Machine; manufactured by the Exhibitors. Price £2 5s.

5971—56-Lb. Inverted Weighing Machine, Registered Pattern; manufactured by the Exhibitors. Price £2 15s.

5972—28-Lb. Scroll Inverted Weighing Machine; manufactured by the Exhibitors. Price £2 15s.

5973—56-Lb. Scroll Inverted Weighing Machine; manufactured by the Exhibitors. Price £3 10s.

5974—Pair Carcase Scales; manufactured by the Exhibitors. Price £5 10s. Fitted with best gilt beam, galvanized chains, flesh hook, &c.

5975—Assortment of 12 Counter Weighing Machines, Weighing from 4 lb. to 56 lbs.; manufactured by the Exhibitors. Price from 10s. 6d. to £2.

5976—Sack Truck; manufactured by the Exhibitors. Price 10s. 6d.

5977—Sack Truck; manufactured by the Exhibitors. Price 17s. 6d.

5978—Cheese Truck; manufactured by the Exhibitors. Price £1 10s.

5979—Sack Lifts; manufactured by the Exhibitors. Price 4s. and 4s. 6d.

5980—New Pattern Balance Weighing Machine, No. G 32; manufactured for the Exhibitors. Price 7s. 6d. To weigh 1 lb.

5981—New Pattern Balance Weighing Machine; manufactured for the Exhibitors. Price 9s. To weigh 2 lbs.

5982—New Pattern Balance Weighing Machine, No. G 32; manufactured for the Exhibitors. Price 11s. 3d. To weigh 4 lbs.

5983—New Pattern Balance Weighing Machine, No. G 32; manufactured for the Exhibitors. Price 14s. 6d. To weigh 10 lbs.

5984—New Pattern Balance Weighing Machine, No. G 32; manufactured for the Exhibitors. Price 19s. 6d. To weigh 20 lbs.

5985—New Pattern Balance Weighing Machine, No. G 32; manufactured for the Exhibitors. Price £1 1s. To weigh 20 lbs. Fitted with strong copper scoop for potatoes, &c.

5986—New Pattern Balance Weighing Machine, No. G 32; manufactured for the Exhibitors. Price 17s. 6d. To weigh 10 lbs. Fitted with china plate and iron weight scale for butter, &c.

5987—New Pattern Balance Weighing Machine, No. g 33; manufactured for the Exhibitors. Price from 10s. to £2. Fitted with china plate and scoops various.

5988—New Pattern Balance Weighing Machine, No. g 34; manufactured for the Exhibitors. Price from 11s. 6d. to £2 10s. Fitted with brass scoops, &c.

5989—New Pattern Balance Weighing Machine, No. g 35; manufactured for the Exhibitors. Price £1 5s. to £4.

5990—Assortment of Steelyards and Balances; manufactured by Salter & Co., of Birmingham. Price 5s. to £3.

5991—Sets of Weights; manufactured by the Exhibitors. Price from 6s. 6d. to £2 10s. In iron, brass, and china.

5992—Sausage-Chopping Machine; manufactured by the Exhibitors. Price £10 10s.

5993—Sausage-Chopping Machine; manufactured by the Exhibitors. Price £9 10s.

5994—Sausage-Filling Machine; manufactured by the Exhibitors. Price from £1 5s. to £5 5s.

5995—Lard and Bread Press; manufactured by the Exhibitors. Price £1 7s. 6d.

5996—"Smithfield" Salting Machine, No. 1; manufactured by the Exhibitors. Price £1 15s. A most valuable machine, and by means of which any joint of meat can be salted instantly and cooked at once, or can be kept for any length of time; a most valuable machine in hot climates.

5997—"Smithfield" Salting Machine, No. 2; manufactured by the Exhibitors. Price £2 10s. The same as No. 1, but with enamelled-iron tank, non-corrosive.

5998—"Smithfield" Salting Machine, No. 0; manufactured by the Exhibitors. Price £1 5s.

5999—Samples of Butchers' Knives, Choppers, Saws, Steels, Trays, and Skewers; manufactured for the Exhibitors. Price from 1s. to 7s. 6d. (*Not for Sale.*)

6000—Sample of Walker's Meat Preservative; manufactured by Walker & Co. for the Exhibitors. Price 2s. per gallon. Joints of meat, after being washed or dipped with this preservative, can be kept sweet, and their flavour and appearance unimpaired, for several weeks in the hottest weather.

Stand No. 257.—*F. and C. Hancock, of Dudley, Worcestershire.*

Article 6001—Butter Machine; manufactured by the Exhibitors. Price £3 8s. 6d. Machine for washing and cooling butter from the churn; also for mixing and packing butter, 16 lbs. at one operation.

6002—Butter Machine; manufactured by the Exhibitors. Price £2 12s. 6d. Machine for washing 16 lbs. of butter at one operation.

6003—Butter Machine; manufactured by the Exhibitors. Price £2 14s. 6d. Machine for washing 8 lbs. of butter at one operation.

6004—Butter Machine; manufactured by the Exhibitors. Price £2 2s. Machine for washing 8 lbs. of butter at one operation.

6005—Butter Machine; manufactured by the Exhibitors. Price £1 18s. Machine for washing 5 lbs. of butter at one operation.

6006—Butter Machine; manufactured by the Exhibitors. Price £1 10s. Machine for washing 4 lbs. of butter at one operation.

6007—Butter Machine; manufactured by the Exhibitors. Price £1 4s. Machine for washing butter and mashing potatoes.

6008—Butter Machine; manufactured by the Exhibitors. Price £1 1s. Machine for washing 1 lb. of butter at one operation.

6009—Butter Machine; manufactured by the Exhibitors. Price 18s. Machine for washing 1 lb. of butter at one operation.

6010—Butter Machine; manufactured by the Exhibitors. Price 15s. 6d. Machine for washing 1 lb. of butter at one operation.

6011—(*New Implement.*)—Dough Kneader; manufactured by the Exhibitors. Price £4. Machine for kneading dough for bread, making 28 lbs. of flour at one operation.

6012—(*New Implement.*)—Dough Kneader; manufactured by the Exhibitors. Price £3. Machine for kneading 14 lbs. of flour into dough.

6013—(*New Implement.*)—Dough Kneader; manufactured by the Exhibitors. Price £2 0s. 2d. Machine for kneading 7 lbs. of dough.

6014—Bread Crumber; manufactured by the Exhibitors. Price £1 2s. 6d. Machine for making bread crumbs and grinding loaf sugar.

6015—Bread Crumber; manufactured by the Exhibitors. Price 15s. Machine for making bread crumbs and grinding loaf sugar.

6016—Bread Crumber; manufactured by the Exhibitors. Price £3 10s. Machine for making bread crumbs and grinding loaf sugar.

6017—(*New Implement.*)—Churn; manufactured by the Exhibitors. Price £3. A churn for 6 gallons of cream or milk.

6018—Churn; manufactured by the Exhibitors. Price £2. A churn for 4 gallons of milk or cream.

Stand No. 258.—*T. C. Williams and Sons, of 8 and 10, London Street, Reading, Berkshire.*

Article 6019—10-Ft. Improved Close Fire Range, No. 1; manufactured by the Exhibitors. Price £32. Consisting of 2 large ovens, boiler, grilling stove and gridiron, hot plate, plate rack, T. C. Williams & Sons' winding bottom grate for diminishing or increasing size of fire—forming a most complete cooking apparatus for large establishments.

6020—4 Ft. 6 In., No. 4, Improved Close Fire Range; manufactured by the Exhibitors. Price £16. Consisting of 2 large ovens, large back boiler, stewing or hot plate, plate rack, and T. C. Williams & Sons' winding bottom grate.

6021—4 Ft., No. 5, Improved Close Fire Range; manufactured by the Exhibitors. Price £13 5s. Consisting of 1 large wrought-iron oven, back and side boiler, stewing or hot plate, T. C. Williams & Sons' winding bottom grate for increasing or diminishing size of fire, and movable plate rack. This forms a most useful family range.

6022—3 Ft. 6 In., No. 6, Improved Close Fire Range; manufactured by the Exhibitors. Price £6 18s. Consisting of 1 large wrought-iron oven, side boiler, hot plate, &c. This is an excellent range for small families.

6023—4 Ft., No. 6 A, Improved Close Fire Range; manufactured by the Exhibitors. Price £9. Consisting of 1 large oven, cast side boiler, covings and plate rack. A very strong, useful range for small families.

6024—3 Ft. 6 In., No. 7, Close Fire Range; manufactured by the Exhibitors. Price £4. Consisting of 1 wrought-iron oven, cast side boiler. A useful range for small families.

6025—5 Ft., Improved London Pattern Hot Plate; manufactured by the Exhibitors. Price £16. Consisting of a large wrought-iron oven or roaster, extra strong pannelled hot plate, broiling or grilling stove.

6026—Camp Stove and Cooking Apparatus; manufactured by the Exhibitors. Price £3 5s. Designed by Admiral Coffin, and supplied to the Government during the Crimean and Ashantee campaigns. It contains all the articles required for cooking for several persons.

6027—Model of Iron Conservatory; manufactured by the Exhibitors. This is a model of T. C. Williams & Sons' improved iron conservatory. It can be adapted to suit various requirements. (*Not for Sale.*)

Stand No. 259.—*The Albion Lamp Co., of 118, Holborn, London, E.C., and Aston Brook Lamp Works, Birmingham.*

Article 6028—Assortment of Rippingille's Patent Mineral Oil Cooking Stoves and Utensils; manufactured solely by the Exhibitors. Price from 3s. 6d. to £10. These are the only oil stoves that will burn without smoke or smell; they are absolutely safe, will do the entire work of a kitchen fire, and are unequalled for domestic use, camping and yachting.

6029—Assortment of Rippingille's Patent Mineral Oil Warming Stoves; manufactured solely by the Exhibitors. Price from 7s. 6d. to £5 5s. These are the most perfect oil stoves, combining efficiency, simplicity, economy and portability; are perfectly safe, give off no injurious vapour, require neither pipes nor fittings, and are unequalled for greenhouses, halls, shops, dairies, damp rooms, &c.

6030—Assortment of Rippingille's Patent Plant Propagating Frames; manufactured by the Exhibitors. Price from £2 5s. to £4. The simplest and best ever introduced for raising seeds, striking cuttings, &c.

6031—Assortment of Rippingille's Patent and Other Food-Warmers; manufactured by the Exhibitors. Price from 3s. 6d. to 6s. 6d. For infants and invalids.

6032—Assortment of Improved Head and Hub Bicycle Lamps; manufactured by the Exhibitors. Price from 3s. 6d. to 8s. 6d. The neatest, cheapest, strongest, and most reliable lamps in the market; acknowledged by the leading clubs to surpass all others for strength, finish and practical utility.

6033—Assortment of Hurricane Windproof, Stable, Police and other Lanterns; manufactured by the Exhibitors. Price from 1s. to 13s. 6d.

Stand No. 260.—*Thomas McKenzie and Sons (Limited), of 16, Holborn Viaduct, London, E.C.; and Dublin and Belfast.*

Article 6034—Assortment of The President Lawn Mowers; manufactured for the Exhibitors. Price from £2 2s. to £24.

6035—Collection of American Floral Tools; manufactured for the Exhibitors. Price 3s. 6d. per set.

6036—Assortment of Sack Trucks, with Steam-Bent Handles, which will not Snap off; manufactured for the Exhibitors. Price from 17s. 6d. to £1 12s. 6d.

6037—American Grindstone Mounted on Anti-Friction Rollers; manufactured for the Exhibitors. Price £2 2s.

6038—Horse Hay Fork and Elevator; will Elevate a Load of Hay in Six Minutes; manufactured by the Exhibitors. Price £2 12s. 6d.

6039—Lawn Sprinkler and Portable Fountain; manufactured for the Exhibitors. Price £1 12s. With ordinary pressure the arms revolve rapidly and scatter the water for a circle of 40 ft.

6040—American Garden Seat, Handsome and most Comfortable; manufactured for the Exhibitors. Price £3.

6041—Collection of American Yale Locks; manufactured by the Yale Lock Manufacturing Co., of Stamford, Conn. Price from 4s. 2d. to £4 5s. Thin, flat steel key; more convenient, and gives greater security than any lock ever made; padlocks a specialty.

6042—Sheep Fence; manufactured by the Exhibitors. Price 7½d. per yard run.

Stand No. 261.—*The William Anson Wood Mower and Reaper Co., of 16, Holborn Viaduct, London, E.C.*

Article 6043—1-Horse Mower; manufactured by the Exhibitors. Price £17 10s.

6044—2-Horse Mower; manufactured by the Exhibitors. Price £19.

6045—2-Horse Sweep Rake Reaper; manufactured by the Exhibitors. Price £30.

Stand No. 262.—*The Howe Scale Company, of Rutland, Vermont, U.S.A.; J. Fred Dennis, Manager, Bremen, Germany.*

Article 6046—Dairy Weighing Machine; manufactured by the Exhibitors. Price £5 10s. Additional beams up to seven, 15s. each.

6047—Sack Weighing Machine; manufactured by the Exhibitors. Price £11.

6048—Wool Weighing Machine; manufactured by the Exhibitors. Price £18. Specially adapted for weighing wool.

6049—Pork Weighing Machine; manufactured by the Exhibitors. Price £10 10s.

6050—Portable Field Scale; manufactured by the Exhibitors. Price £9 15s. Specially adapted for use in the field with a thrashing machine.

6051—Barn Weighing Machine; manufactured by the Exhibitors. Price £23.

6052—Cattle Scale or Weighing Machine; manufactured by the Exhibitors. Price £21.

6053—Hay Weigh Bridge; manufactured by the Exhibitors. Price £29 15s.

6054—Cart Weighing Machine; manufactured by the Exhibitors. Price £24.

6055—No. 2 Bag Truck; manufactured by the Exhibitors. Price £1 5s.

6056—No. 1 Bag Truck; manufactured by the Exhibitors. Price £1 15s.

6057—Union Weighing Machine, with Tin Scoop and Single Beam; manufactured by the Exhibitors. Price £2 12s. 6d.

6058—Union Weighing Machine, with Brass Scoop and Double Beam; manufactured by the Exhibitors. Price £3.

6059—No. 2 Weighing Machine, Brass Scoop; manufactured by the Exhibitors. Price £1 4s. 6d.

6060—No. 1 Weighing Machine for Butter, with Porcelain Plate and Side Beam; manufactured by the Exhibitors. Price £2 7s.

6061—No. 0 Weighing Machine, with Two Iron Plates; manufactured by the Exhibitors. Price £1 18s.

6062—50-Lbs. Meat Weighing Machine, with Porcelain Plate; manufactured by the Exhibitors. Price £4.

6063—8-Oz. Seed Scale, with Brass Pan; manufactured by the Exhibitors. Price 11s.

6064—8-Oz. Seed Scale, Nickel Plated; manufactured by the Exhibitors. Price 14s. 6d.

6065—8-Oz. Seed Scale, Brass Pan, Double Beam; manufactured by the Exhibitors. Price 14s.

6066—8-Oz. Seed Scale, Nickel, with Double Beam; manufactured by the Exhibitors. Price 17s. 6d.

6067—12-Oz. Seed Scale, Brass Pan; manufactured by the Exhibitors. Price 15s.

6068—12-Oz. Seed Scale, Nickel Plated; manufactured by the Exhibitors. Price 18s. 6d.

6069—12-Oz. Seed Scale, Brass Pan, Double Beam; manufactured by the Exhibitors. Price £1.

6070—12-Oz. Seed Scale, Nickel Plated, Double Beam; manufactured by the Exhibitors. Price £1 3s.

6071—34-Oz. Seed Scale, Brass Pan; manufactured by the Exhibitors. Price £1 3s.

6072—34-Oz. Seed Scale, Nickel Plated; manufactured by the Exhibitors. Price £1 9s.

6073—34-Oz. Seed Scale, Brass Pan, Double Beam; manufactured by the Exhibitors. Price £1 6s.

6074—34-Oz. Seed Scale, Nickel Plated, Double Beam; manufactured by the Exhibitors. Price £2.

6075—64-Oz. Seed Scale, Brass Pan; manufactured by the Exhibitors. Price £1 10s.

6076—64-Oz. Seed Scale, Nickel Plated, manufactured by the Exhibitors. Price £2 5s.

6077—64-Oz. Seed Scale, Brass Pan, Double Beam; manufactured by the Exhibitors. Price £1 13s.

6078—64-Oz. Seed Scale, Nickel Plated, Double Beam; manufactured by the Exhibitors. Price £2 10s.

6079—96-Oz. Seed Scale, Brass Pan; manufactured by the Exhibitors. Price £2 5s.

6080—96-Oz. Seed Scale, Nickel Plated; manufactured by the Exhibitors. Price £3.

Stand No. 263.—*The Bowick Patent Milking Machine Co. (Limited) of Bedford.*

Article 6081—(*New Implement.*)—The Bowick Patent Milking Machine; manufactured by the Exhibitors. Price £10 10s. Mounted on wheels; for milking 1 cow at a time. It can be applied to cows with teats of any size, or to three-teated cows. A column of air or other fluid is caused to pulsate within a flexible mechanical hand, which produces an alternately increased and diminished pressure on the exterior of the teat as in hand-milking.

6082—(*New Implement.*)—Bowick Patent Milking Machine; manufactured by the Exhibitors. Price £10 10s. Similar to preceding, but fitted with appliances for milking 2 cows at one time. With this machine (which a boy can turn) 30 cows per hour may be carefully milked. The milk is not subjected to any churning action, suction-tubing being entirely dispensed with.

6083—(*New Implement.*)—Bowick Patent Milking Machine; manufactured by the Exhibitors. Price £45. Similar to preceding, but fitted to milk 20 cows simultaneously. The mechanical hands used are found in practice to attain a warmth like those of the milkmaid; they do not contain steel or other metal springs, and are in fact much softer than the hands of a labourer.

Stand No. 264.—*W. Alway and Sons, of 37, Chapel Street, Pentonville, London.*

Article 6084—Railway Milk Can; manufactured by the Exhibitors. Price £1 19s. 6d. Fitted with malleable cast tops, and both inner and outer lid. We were awarded for these the only prize given at the Bristol show last year; holds 52 quarts.

6085—Railway Milk Can; manufactured by the Exhibitors. Price £2 3s. Fitted with malleable cast tops and our "Acme" lid, which keeps out all dust and dirt, and renders it impossible to tamper with the milk if the can be locked; holds 68 quarts.

6086—Railway Milk Can; manufactured by the Exhibitors. Price £1 18s. As above; holds 52 quarts.

6087—Railway Milk Can; manufactured by the Exhibitors. Price £2 3s. Made with malleable top and ordinary lid; holds 68 quarts.

6088—Railway Milk Can; manufactured by the Exhibitors. Price £1 18s. As above; holds 52 quarts.

6089—Railway Milk Can; manufactured by the Exhibitors. Price £1 18s. Made with strong wrought top, and clad half way up with tinned iron; holds 68 quarts.

6090—Railway Milk Can; manufactured by the Exhibitors. Price £1 13s. As above; holds 52 quarts.

6091—Milk Can for Cart or Light Railway Work; manufactured by the Exhibitors. Price £1 13s. Made of tin, strong tin rims, and strong iron hoop at bottom; holds 68 quarts.

6092—Cart Milk Can; manufactured by the Exhibitors. Price £1 7s. As above; holds 52 quarts.

6093—Cart Milk Can; manufactured by the Exhibitors. Price £1 4s. As above; holds 42 quarts.

6094—Equable Barrel Churn; manufactured by the Exhibitors. Price £4. This churn is made of tin specially prepared for the purpose, and has a compartment at the end for hot or cold water to regulate the temperature of the cream; will make 20 lbs.

6095—Royal Tin Barrel Churn; manufactured by the Exhibitors. Price £5 5s. This churn has compartments at both ends for water to regulate the temperature, and is more elaborately finished than the Equable; to make 20 lbs.

6096—London Butter Churn; manufactured by the Exhibitors. Price £1 16s. Made of the best block tin, with wood beater, and compartment at the foot for hot or cold water; to make 12 lbs.

6097—London Butter Churn; manufactured by the Exhibitors. Price £1 12s. As above; to make 7 lbs.

6098—London Butter Churn; manufactured by the Exhibitors. Price £1 7s. As above; to make 4 lbs.

6099—Sussex Butter Churn; manufactured by the Exhibitors. Price 18s. Made of best block tin, tin beaters, and has a pan beneath for the water; to make 2 lbs.

6100—Sussex Butter Churn; manufactured by the Exhibitors. Price £1 2s. As above; to make 4 lbs.

6101—Sussex Butter Churn; manufactured by the Exhibitors. Price £1 7s. As above; to make 7 lbs.

6102—Milk Refrigerator; manufactured by Lawrence & Co. of London. Price £6 7s. 9d. To cool 80 gallons per hour, with fittings complete; or the machine itself, without fittings, £4.

6103—Milk Refrigerator; manufactured by Lawrence. Price £7 10s. complete with fittings. As above; to cool 125 gallons per hour; If without fittings, £5.

6104—Milk Refrigerator; manufactured by Lawrence. Price £9 5s. complete with fittings. As above; to cool 175 gallons per hour. If without fittings, £6 15s.

6105—Milking Pail; manufactured by the Exhibitors. Price 5s. 6d. For milking into strong iron hoop at bottom; holds 10 quarts.

6106—Milking Pail; manufactured by the Exhibitors. Price 6s. As above; holds 14 quarts.

6107—Milking Pail; manufactured by the Exhibitors. Price 6s. 6d. As above; holds 18 quarts.

6108—Milking Pail; manufactured by the Exhibitors. Price 8s. 6d. As above; holds 20 quarts.

6109—Cream Bottle for Sending Cream by Rail; manufactured by the Exhibitors. Price £1 3s. These have inner cover as well as outer to prevent spilling, and so fitted that the contents cannot be tampered with during transit; holds 24 quarts.

6110—Cream Bottle; manufactured by the Exhibitors. Price £1. As above; holds 20 quarts.

6111—Cream Bottle; manufactured by the Exhibitors. Price 15s. As above; holds 16 quarts.

6112—Cream Bottle; manufactured by the Exhibitors. Price 11s. As above; holds 12 quarts.

6113—Pair of Yokes with Straps and Hooks Complete; manufactured by the Exhibitors. Price 12s.

6114—Iron Milk Carriage with Can Complete; manufactured by the Exhibitors. Price £4 2s. The can is strongly made, and holds 50 quarts. The carriage is made of wrought-iron.

6115—Strong Milk Truck; manufactured by Sykes, of London. Price £10. This is made of thoroughly seasoned materials, has patent axles, and brass rails.

6116—Milk Truck; manufactured by Sykes. Price £6 10s. As above, but common axles, and lighter generally.

6117—Milk Truck; manufactured by Sykes. Price £9 10s. This truck has only 2 wheels instead of 3, and is specially made for running lightly on heavy roads, where it is not necessary to carry much else beside the churn.

6118—Collection of Pails, Cans, Strainers, Measures, Skimmers, Lactometers, &c. &c.; manufactured by the Exhibitors. Price from 5d.

Stand No. 265.—Lloyd, Lawrence and Co., of 34, Worship Street, Finsbury, London, E.C.

Article 6119—(New Implement.)—Lawn Mower, styled "The Pennsylvania" (5 Sizes); manufactured by Lloyd, Supplee and Walton, of Philadelphia, U.S.A. Price from £3 3s. to £7 7s. Patented in Great Britain, Germany, and United States. The lightest lawn mower manufactured, embodying several radical improvements. The cutters are self-sharpening, and are worked by either wheel singly or by both wheels. (*For Trial.*)

6120—Manure Forks (3 Qualities); manufactured by Sheble and Fisher, of Philadelphia, U.S.A. Price from 8s. 6d. to 4s. 6d.

6121—Hay Forks (4 Sizes); manufactured by Sheble and Fisher. Price from 4s. 6d. to 7s. 6d.

6122—Cedar-Wood Churns (6 Sizes.) Price from £1 6s. 6d. to £3 10s.

6123—Cedar-Wood Milk Pails (2 Qualities). Price 3s. and 3s. 6d.

6124—Cedar-Wood Field Cans (3 Qualities). Price from 4s. to 6s.

6125—Cedar-Wood Measures (3 Sizes.) Price from 3s. to 5s.

6126—Cedar-Wood Dairy Tubs (2 Nests) Price £1 16s. and 12s.

- 6127**—Cedar-Wood Keelers (1 Nest). Price 10s.
6128—Hay Knife, styled "The Lightning." Price 12s. 6d.
6129—Implement Wrenches (3 Sizes). Price from 1s. 6d. to 4s. 6d.
6130—Farmer's Grindstone. Price 7s. 6d.
6131—Hoof Rinder with Rings; manufactured by Lloyd, Supplee and Walton, of Philadelphia, U.S.A. Price 4s.
6132—Pair of Pruning Shears. Price 3s. 6d.
6133—Garden Trowels (3 Sizes). Price from 9d. to 1s.
6134—Set of Ladies' Floral Tools. Price 3s. 6d.
6135—Hunter's Axe; manufactured by Yorkes and Plumb, of Philadelphia, U.S.A. Price 5s. 6d.
6136—Patent Mincing Machine. Price £1 15s.
6137—Patent Mincing Machine, styled "The Pennsylvania" (2 Sizes); manufactured by Lloyd, Supplee and Walton, of Philadelphia, U.S.A. Price 8s. 6d. and 12s. 6d.
6138—Scandinavian Padlocks (4 Sizes). Price from 2s. 6d. to 9s. 6d.
6139—Apple Parer. Price 7s. 6d.
6140—Patent Ice Cream Freezers (6 Sizes). Price from 16s. 6d. to £2 15s.
6141—Three Fancy Pails. Price £20.
6142—Patent Clothes Wringer (3 Sizes). Price from 5s. 6d. to 12s. 6d.
6143—Cloth Whisk (3 Sizes). Price from 1s. 6d. to 2s. 6d.
6144—Rolling Pins (3 Sizes). Price from 1s. to 2s.

Stand No. 266.—*James Duffield, Sen., of 5, Crown Court, Great Chapel Street, Oxford St., London, W.*

Article—6145—Pint, Quart, and 2-Quart Plunge Churn; manufactured by the Exhibitor. Price 2s. 6d., 3s. 6d., and 4s. 6d. each.

6146—Milk Yokes, Lettered, and with Crests Cut on them; manufactured by the Exhibitor. Price 12s. 6d. each.

6147—Various Sizes of Butter Prints, English and Box-Wood, of Various Patteras; manufactured by the Exhibitor. Price from 1s. each.

6148—Butter Moulds, Various Patterns and Sizes; manufactured by the Exhibitor. Price 2s. 6d. each.

6149—Butter Slicers and Beaters, Various Sizes; manufactured by the Exhibitor. Price 2s. 6d. per pair.

6150—Butter Rollers, Butter Runners, Forcers, &c., for Dairy Use; manufactured by the Exhibitor. Price 1s. each.

6151—Butter and Bread Plates, Markers, Butter Knives and Creases, Butter Boards, &c.; manufactured by the Exhibitor. Price 2s. each.

Stand No. 267.—*William Gillings, of 35, Church Street, Lisson Grove, Marylebone, N.W.*

Article 6152—Railway Milk Can; manufactured by the Exhibitor. Price £2 2s. 6d. Holds 68 quarts; fitted with Exhibitor's improved malleable-cast bottom hoops, so as to render it impossible to be driven up the body of can; also fitted with inner and outer lid to prevent the dust, and tampering with milk during transit.

6153—Railway Milk Can; manufactured by the Exhibitor. Price £1 18s. 6d. Same as above; holds 52 quarts.

6154—Railway Milk Can; manufactured by the Exhibitor. Price £2 5s. 6d. Fitted with Exhibitor's improved malleable-cast bottom hoops and malleable-cast tops; the bodies are made extra strong, of wrought bright tinned iron, with only one join in body, so that they can be kept perfectly clean; holds 68 quarts.

6155—Railway Milk Can; manufactured by the Exhibitor. Price £2. Same as above; holds 52 quarts.

6156—Railway Milk Can; manufactured by the Exhibitor. Price £2 1s. 6d. Fitted with strong wrought-iron top rim, and with inner and outer cover, to prevent the dust entering to the milk, and it being tampered with during transit; holds 68 quarts.

6157—Railway Milk Can; manufactured by the Exhibitor. Price £1 15s. 6d. Same as above; holds 52 quarts.

6158—Railway Milk Can; manufactured by the Exhibitor. Price £1 14s. Made of strong tin body and tin rims, with malleable iron bottom hoops; these are all in one piece, so that they cannot get unriveted, as is the case with the ordinary wrought-iron hoops; holds 68 quarts.

6159—Milk Delivery Can; manufactured by the Exhibitor. Price £50. Fitted with brass body, brass outside cover, brass tap. Engraving on body according to order; holds 68 quarts.

6160—Milk Can; manufactured by the Exhibitor. Price £1 7s. For light work, made of strong tin, and tin rims; holds 52 quarts.

6161—Railway Cream Can; manufactured by the Exhibitor. Price £1 13s. For conveyance of cream by rail; fitted with inner and outer cover; very strong swing handles, and strong wrought-iron bottom hoop; holds 40 quarts.

6162—Cream Bottle; manufactured by the Exhibitor. Price £1 4s. For conveyance of cream by cart or rail; made with improved cover, with stoppers, and very strong; holds 26 quarts.

6163—Cream Bottle; manufactured by the Exhibitor. Price £1. Same as above; holds 20 quarts.

6164—Cream Bottle; manufactured by the Exhibitor. Price 15s. Same as above; holds 16 quarts.

6165—Milking Pail; manufactured by the Exhibitor. Price 9s. 6d. Holds 20 quarts.

6166—Milking Pail; manufactured by the Exhibitor. Price 7s. Holds 16 quarts.

6167—Milking Pail; manufactured by the Exhibitor. Price 6s. 6d. Holds 12 quarts.

6168—Feeding Tub; manufactured by the Exhibitor. Price 9s. 6d. Made of strong galvanized iron; holds 1½ bushels.

6169—Collection of Milk Strainers; manufactured by the Exhibitor. Price from 3s. 6d.

6170—Collection of Pails, Measures, Drenching Bottles, Setting Pans, Milk Cans, Skimming Dishes, &c.; manufactured by the Exhibitor. Price from 5s.

6171—Model of Station Van; manufactured by Mr. Marchant, of London. Price 44 guineas. For conveyance of milk to and from the station; to carry from 8 to 10 milk cans of 68 quarts each.

6172—Model of a Delivery Van; manufactured by Mr. Marchant. Price 36 guineas. To carry 2 milk cans at back to hold 68 quarts each

Stand No. 268.—*Henry Duffield, of 23, and 58, William Street, Regent's Park, London, N.W.*

Article 6173—Assortment of Butter Prints, and other Small Dairy Utensils; manufactured by the Exhibitor. Price from 1s. to 5s. each. Crests and names of places cut to order; 15 medals have been awarded.

Stand No. 269.—*Wilkins and Son, of The Steam Cheese-Maker Works, Calne, Wilts.*

Article 6174—Steam Cheese-Maker, in Tin Tub, holding 120 Gallons, Complete, as detailed in Exhibitors' List; manufactured by the Exhibitors. Price £28. Side-action to rotary knife, £1, and screw to platform, 5s. extra.

6175—Steam Cheese-Maker, in Brass Tub, holding 120 gallons, Complete, as detailed under Class D, in Exhibitors' List; manufactured by the Exhibitors. Price £35. The best for dairies where the vatting is not done in the tub. The same article for export, or for uncertain tenancies, is supplied with a portable boiler complete, and ready for use at £33. For larger and smaller sizes add or deduct 20s. for every ten gallons.

6176—Galvanized Wrought-Iron Curd Mill, with Fly-Wheel; manufactured by the Exhibitors. Price £1 17s. 6d. Made complete in itself to fit on to any part of the cheese-tub or cooler. If supplied without fly-wheel, the price is £1 12s. 6d.

6177—5-Ft. Tin Milk Cooler, with Brass Plug; manufactured by the Exhibitors. Price £1 15s. The same article made double for water is £3 10s.

6178—Wrought-Iron Trestle for Milk Cooler; manufactured by the Exhibitors. Price 8s.

6179—Oval Milk Strainer, with Hooks and Guard, and Perforated Brass Bottom; manufactured by the Exhibitors. Price 10s. 6d.

6180—Round Curd Sieve, with Perforated Brass Bottom, Two Sizes; manufactured by the Exhibitors. Price 7s. 6d. and 8s. 6d.

6181—Improved Curd Breaker; manufactured by the Exhibitors. Price 10s. 6d. The stem and head is forged in one piece, and all the iron parts tinned.

6182—Pair of Strong Milking Pails, with Side Handles and Bails; manufactured by the Exhibitors. Price 17s.

6183—Strong Tin Milk Pan, No. 1, Holds 5 Gallons; manufactured by the Exhibitors. Price 4s. 6d.

6184—Strong Tin Milk Pan, No. 2, Holds 7 Gallons; manufactured by the Exhibitors. Price 5s. 6d.

6185—Strong Tin Milk Pan, No. 3, Holds 8 Gallons; manufactured by the Exhibitors. Price 6s. 6d.

Stand No. 270.—*George Hathaway, of Churn Works, Chippenham, Wilts.*

Article 6186—Improved Revolving Barrel Churn, Size A, with the Celebrated Archimedean Dashes; manufactured by the Exhibitor. Price £2 10s. On low stand for a table; to make 6 lbs. of butter.

6187—Improved Revolving Barrel Churn, Size B, with Archimedean Dashes; manufactured by the Exhibitor. Price £3. On high stand; to make 9 lbs. of butter.

6188—Improved Revolving Barrel Churn, No. 1, with Archimedean Dashes; manufactured by the Exhibitor. Price £3 10s. On high stand, with new anti-friction roller bearings, air valve, safety bolt, and superior stopper; for small dairies; making 12 lbs. of butter.

6189—Improved Revolving Barrel Churn, No. 2, with Archimedean Dashes; manufactured by the Exhibitor. Price £4 5s. To make 20 lbs. of butter.

6190—Improved Revolving Barrel Churn, No. 3, with Archimedean Dashes; manufactured by the Exhibitor. Price £5. To make up to 35 lbs. of butter.

6191—Improved Revolving Barrel Churn, No. 3, with Archimedean Dashes; manufactured by the Exhibitor. Price £5 5s. This churn is fitted with new and improved metallic mouth, and is suitable for dairies; making 35 lbs. of butter.

6192—Improved Revolving Barrel Churn, No. 4, with Archimedean Dashes; manufactured by the Exhibitor. Price £5 10s. To make 55 lbs. of butter. This size churn competed at the Royal Society's Trials at the Oxford Meeting, when in the cream contest it made 2 lbs. more butter from the given quantity and quality of cream than any other churn, and was awarded a Prize by the Judges.

6193—Improved Revolving Barrel Churn, No. 4, with Archimedean Dashes and Metallic Mouth; manufactured by the Exhibitor. Price £5 15s.

6194—Improved Revolving Barrel Churn, No. 5, with Archimedean Dashes; manufactured by the Exhibitor. Price £6 11s. For farm dairies; making 85 lbs. of butter.

6195—Improved Revolving Barrel Churn, No. 6, with Archimedean Dashes; manufactured by the Exhibitor. Price £6 17s. For farm dairies; making 112 lbs. of butter.

6196—Model Revolving Barrel Churn, with Glass Heads, to show the interior action of the Archimedean Dashes in the churns manufactured by the Exhibitor. (*Not for Sale.*) All the above churns are made of the best seasoned oak, and placed on strong stands; revolve on anti-friction rollers, and are fitted with spring air-valves, superior bungs or stoppers, and all the latest improvements.

Stand No. 271.—*Carson and Toone, of Wiltshire Foundry, Warminster, Wilts.*

Article 6197—Chaff Cutter, for Steam Power, No. 1 A A ; manufactured by the Exhibitors. Price £38 10s. Complete with chaff sifter and bagging elevator.

6198—Chaff Cutter, for Steam Power, No. 1 A A, with Chaff Elevator; manufactured by the Exhibitors. Price £28.

6199—Chaff Cutter, for Steam Power, No. 1 A A ; manufactured by the Exhibitors. Price £16 16s. Of the largest size, but without sifter and elevator.

6200—Chaff Cutter, for Horse or Steam Power, No. 3 A ; manufactured by the Exhibitors. Price £11. May be conveniently attached to our two-horse gear, Article 6206.

6201—Chaff Cutter, for Horse or Hand Power, No. 1 c ; manufactured by the Exhibitors. Price £8 10s. May be attached to horse gear, Article 6207.

6202—Chaff Cutter, for Hand Power, No. 1 D ; manufactured by the Exhibitors. Price £6.

6203—Chaff Cutter, No. 2 E, Rising Mouth, Hand Power ; manufactured by the Exhibitors. Price £3 3s.

6204—Chaff Cutter, No. 2 E, Fixed Mouth, Hand Power ; manufactured by the Exhibitors. Price £2 15s.

6205—Chaff Cutter, No. 3 E, Fixed Mouth, Hand Power ; manufactured by the Exhibitors. Price £2 10s.

6206—Iron 2-Horse Gear ; manufactured by the Exhibitors. Price £15 15s. Also supplied mounted on wheels at £19 10s.

6207—1-Horse Gear ; manufactured by the Exhibitors. Price £9.

6208—Moody's Turnip and Root Cutter, No. 1, on Wood Frame ; manufactured by the Exhibitors. Price £4 10s. Cuts very rapidly into gouge shaped strips.

6209—Moody's Turnip and Root Cutter, No. 2, on Iron Frame ; manufactured by the Exhibitors. Price £4 15s. Similar in principle, but cuts finer strips.

6210—Moody's Turnip and Root Cutter, No. 1, Iron Frame, on Wheels ; manufactured by the Exhibitors. Price £5 10s.

6211—Moody's Turnip Cutter, No. 1 A, Iron Frame and Hopper, for Steam Power ; manufactured by the Exhibitors. Price £5 10s.

6212—Oilcake Crusher, mark N P, for Hand Power ; manufactured by the Exhibitors. Price £3 7s. 6d. Adjustable to six different sizes.

6213—Prize Horse Hoe, A (Hoes only) ; manufactured by the Exhibitors. Price £3 10s. For hoeing beans, turnips, &c., with one horse.

6214—Prize Horse Hoe, B (3 Hoes and 2 Tines) ; manufactured by the Exhibitors. Price £3 15s.

6215—Prize Horse Hoe, B, Complete, with Hoes and Tines ; manufactured by the Exhibitors. Price £3 15s.

6216—Prize Horse Hoe, C (3 Hoes and 5 Tines) ; manufactured by the Exhibitors. Price £4. The most complete hoe on our list.

6217—Prize Horse Hoe, C (5-Tine Grubber with Hoes) ; manufactured by the Exhibitors. Price £4. A complete horse hoe and grubber.

6218—Prize Horse Hoe, c, fitted with 5 Wheat Hoes; manufactured by the Exhibitors. Price £5.

6219—Cheese Press, "The Liliput;" manufactured by the Exhibitors. Price £2 12s. 6d. A small and unique press.

6220—(*New Implement.*)—Cheese Press, "The Liliput," Double; manufactured by the Exhibitors. Price £5. Similar to above; of double the capacity.

6221—Prize Cheese Press, A, Single, Wood Stool; manufactured by the Exhibitors. Price £3. Lead or zinc pans extra.

6222—Prize Cheese Press, B, Single, on Iron Stool; manufactured by the Exhibitors. Price £3 7s. 6d. Complete, without extra pan.

6223—Prize Cheese Press, c, Single, on Iron Stool; manufactured by the Exhibitors. Price £3 10s. Similar to above, but of larger size.

6224—Prize Cheese Press, d, Double, Wood Stool; manufactured by the Exhibitors. Price £6.

6225—Prize Cheese Press, E, Double, on Iron Stool; manufactured by the Exhibitors. Price £7.

6226—Curd Mill, for Fixing to the Cheese Tub; manufactured by the Exhibitors. Price £2. Well made; iron work all galvanized, &c.

6227—Curd Mill, on High Stand; manufactured by the Exhibitors. Price £2 10s.

6228—Model of Prize Cheese Turner; manufactured by the Exhibitors. Price £7 10s. and upwards. A labour-saving apparatus for the cheese store-room. A £10 Prize at Bristol, 1878.

6229—Stand of Cheese Vats, Whey Pans, &c., for Dairy Purposes. Prices various, as per list attached to Stand.

6230—Set of 6 Patent Automatic Lamb Creeps, Double; patented and manufactured by the Exhibitors. Price £1 17s. 6d. each. Unique and spring opening.

6231—Set of 2 Patent Single Automatic Lamb Creeps; patented and manufactured by the Exhibitors. Price £1 12s. 6d. each.

6232—Lander's Patent Hay Collector; manufactured by the Exhibitors. Price £16 16s. For gathering the hay before the waggons for ricking.

Stand No. 272.—*R. and J. Reeves and Son, of the Bratton Iron Works, Westbury, Wilts.*

Article 6233—Patent Hay, Corn, and Straw Elevator; manufactured by the Exhibitors. Price £36. Adapted for ricking hay, corn, or straw by means of a 1-horse gear, or to be driven from a thrashing machine.

6234—Improved Pony Gear; manufactured by the Exhibitors. Price £8. Arranged expressly for working elevator; mounted on wheels for travelling.

6235—Bracket and Pulley for Elevator; manufactured by the Exhibitors. Price £3. For working the elevator with the thrashing machine, either straight delivery or at angles.

6236—Shepherd's Hut or Portable Granary; manufactured by the Exhibitors. Price £31. Made of strong galvanized corrugated iron, the interior lined with board, floor tongued with iron; mounted on four strong cast-iron wheels.

6237—13-Coulter Corn Drill, 7 Ft. Wide; manufactured by the Exhibitors. Price £30. For sowing all kinds of corn; fitted with steerage at £4 10s. extra.

6238—9-Coulter Small Occupation Corn Drill, 5 Ft. Wide; manufactured by the Exhibitors. Price £20 5s.

6239—Chandler's Patent Liquid-Manure and Seed Drill, 6 Ft. Wide; manufactured by the Exhibitors. Price £30. Awarded First Prize at Bedford, 1874. Will sow 3 or 4 rows turnips or mangolds.

6240—Improved Manure and Seed Drill, 6 Ft. Wide; manufactured by the Exhibitors. Price £24. For sowing general compost manure or ashes in large quantity; 3 or 4 rows mangolds and turnips.

6241—5-Row Patent Economical Manure and Seed Drill, 6½ Ft. Wide; manufactured by the Exhibitors. Price £18. Will sow 3, 4, or 5 rows of artificial manures in their pure state or mixed with small quantity of ashes; for turnips and mangolds. Awarded £5 Prize at Bedford, 1874.

6242—3-Row Patent Economical Manure and Seed Drill; manufactured by the Exhibitors. Price £14.

6243—2-Row Patent Economical Manure and Seed Drill; manufactured by the Exhibitors. Price £15 5s. Adapted for sowing on ridges; fitted with concave iron rollers and wood roller to follow. Awarded Prize of £5 at Bedford, 1874.

6244—Broadcast Manure Distributor; manufactured by the Exhibitors. Price £12 10s. For sowing all kinds of dry artificial manure. Awarded £10 Prize at Manchester, 1869.

6245—Broadcast Sowing Machine, for Corn, 8 Ft. Wide; manufactured by the Exhibitors. Price £13 10s. For sowing corn broadcast.

6246—Iron Screen for Ashes, Manure, &c.; manufactured by the Exhibitors. Price £2 5s. For screening manure before sowing it with the Economical manure drill.

6247—Prize Liquid-Manure or Water Cart; manufactured by the Exhibitors. Price £19. Holds 175 gallons. Fitted with spreader for liquid-manure.

6248—Prize Liquid-Manure or Water Cart; manufactured by the Exhibitors. Price £22. Holds 130 gallons. Fitted with spreader and pump with 14 ft. of suction hose.

6249—Improved Water Cart; manufactured by the Exhibitors. Price £17 10s. Holds 175 gallons; adapted for supplying liquid-manure drills or steam cultivating engines.

6250—Royal Prize Patent Water Cart; manufactured by the Exhibitors. Price £19. Holds 175 gallons. Awarded £10 Prize at Bedford, 1874.

6251—Improved Water Cart; manufactured by the Exhibitors. Price £24 15s. Holds 240 gallons. Fitted with pump and 16 ft. of suction hose.

6252—Improved Water Cart; manufactured by the Exhibitors. Price £15. Holds 130 gallons.

6253—Improved Chain Pump, No. 1; manufactured by the Exhibitors. Price £4. Specially adapted for liquid-manure tanks.

6254—Improved Chain Pump, No. 2; manufactured by the Exhibitors. Price £6. Will raise from 1200 to 1500 gallons per hour.

6255—Improved Barrow Pump, No. 1; manufactured by the Exhibitors. Price £7 5s. Adapted for all farm purposes. Fitted with 16 ft. of suction and 7 ft. of delivery pipe.

6256—Improved Barrow Pump, No. 2; manufactured by the Exhibitors. Price £8 15s. Larger size. Fitted with 16 ft. of suction and 7 ft. of delivery pipe.

6257—Farm Yard Sack Truck; manufactured by the Exhibitors. Price £1. Mounted on high cast-iron wheels.

6258—Champion Prize Plough, H H; manufactured by the Exhibitors. Price £5 12s. 6d. With steel breast, two wheels, skim coulter, and drag weight.

6259—General Purpose Plough, H; manufactured by the Exhibitors. Price £5 6s. With steel breast and skim coulters. It is also fitted with Reeves' Patent Corn Sower for sowing wheat, beans, or peas, at £1 10s. extra.

6260—Light Land Plough, L H; manufactured by the Exhibitors. Price £5 1s. With two wheels, steel breast, and skim coulters.

6261—Patent Corn Sower for Beans; manufactured by the Exhibitors. Price £1 10s. It can be fitted to any plough.

6262—Patent Corn Sower for Peas; manufactured by the Exhibitors. Price £1 10s. For ploughing-in peas.

6263—Set of Tubular Iron Whippetrees; manufactured by the Exhibitors. Price 16s.

6264—Combined Hay and Corn Calf-Rack or Trough; manufactured by the Exhibitors. Price £6. For feeding calves with corn and hay.

Stand No. 273.—*Arthur Lyon, of 32, Windmill Street, Finsbury, London, E.C.*

Article 6265—Mincing Machines, in 7 Sizes, Iron; manufactured by the Exhibitor. Price from 10s. 6d to £3. Will cut small or large quantities of meat for beef-tea or children, and also cut and make sausages for families, &c.

6266—Mincing Machines, in Wood, 6 Sizes, for Sausage-Making; manufactured by the Exhibitor. Price, from 16s. to £6 6s. These machines are lined with pure white metal; very strong and durable; suitable for families, institutions, hotels, asylums, and the sausage trade.

6267—Machine for the Dinner Table, to assist Digestion; manufactured by the Exhibitor. Price £1 1s. to £1 17s. Made in wood; lined with pure white metal. Highly recommended for invalids and persons who have lost their teeth.

6268—Machines for Shelling Green Peas; manufactured by the Exhibitor. Price 6s. 6d. to £4 10s. Simple and effective, by which much time is saved, as 3 to 6 pods are done at one time. Suitable for families, hotels, and greengrocers.

6269—Machines for Forcing Meat into Sausage Skins; manufactured by the Exhibitor. Price £1 1s. to £12. Holds from 10 to 48 lbs. of meat; with solid brass barrels.

6270—Cucumber, Potato, or Onion Slicer; manufactured by the Exhibitor. Price 1s. to 2s. 6d. Reduces cucumber or other vegetables into slices a little thicker than paper, very quickly and with great regularity.

6271—Bread-Cutting Machines, in 4 Sizes; manufactured by the Exhibitor. Price 15s. to £3. For cutting bread into slices, with guide to regulate thickness; for schools, unions, reformatories, hotels, &c.

6272—Whipping or General Mixing Cans, in 6 Sizes; manufactured by the Exhibitor. Price 2s. to £3 5s. Suitable for private families, pastrycooks, and other business purposes, as general mixer.

6273—Knives and Boards for Chopping Suet, Parsley, Tobacco, &c.; manufactured by the Exhibitor. Price 2s. to 3s. 6d.

6274—Coffee and Spice Mills; manufactured by the Exhibitor. Price 6s. 6d. to 12s. With an improved method of fastening to the table by means of a loose cramp, and tin to receive the ground material, which also forms a top to the mill.

6575—Machines for Cutting French or Scarlet Beans; manufactured by the Exhibitor. Price 12s. 6d. to £1 5s. For cutting beans or vegetables into strips.

6276—Machines for Cleaning Knives; manufactured by the Exhibitor. Price £1 14s. to £8 8s. Made very strong; will clean from 4 to 10 knives at one time.

6277—Assortment of Sausage Skins and Seasoning; manufactured by the Exhibitor. Price 8d. to 3s. Skins prepared in dry salt for all climates; the seasoning excellent for sausages and all made dishes.

6278—Box of Useful Domestic Articles; manufactured by the Exhibitor. Price 1s. to 5s. 6d.

6279—Box of Useful Garden Tools; manufactured by the Exhibitor. Price 3s. 6d. Suitable for gentlemen's or ladies' use, containing scoop, hoe, rake, and fork.

6280—Machine for Salting Meat in Hot Weather or any Climate; manufactured by the Exhibitor. Price £1 12s. to £3 10s.

6281—Improved Wood Churns, in 6 sizes; manufactured by the Exhibitor. Price £1 to £4 18s. Will churn from 1 to 10 lbs.

6282—Raw or Steamed Root Pulper, 2 Shapes; manufactured by the Exhibitor. Price £7 10s. to £10 10s.

6283—Machine for Pulping Vegetables or Meat; manufactured by the Exhibitor. Price £10 to £16.

6284—Fruit or Lard Presses, in 6 Sizes; manufactured by the Exhibitor. Price from 6s. 6d. to £2 14s.

6285—Machine for Cutting or Grating Cocoa Nut or Orange-Peel, &c.; manufactured by the Exhibitor. Price £1 10s. to £3.

6286—Machine for Chopping Meat, &c.; manufactured by the Exhibitor. Price £14.

6287—Machine for Cutting Fat for Lard or Butter Makers; manufactured by the Exhibitor. Price £15 to £35.

Stand No. 274.—*The Atmospheric Churn Company* (*Woolf and Co., Proprietors*), of 119, New Bond Street, London, W.

Article 6288—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price 12s. For making butter from sweet milk in 10 minutes and from cream in 5 minutes at any season of the year.

6289—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price 14s. Description as above.

6290—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price 17s. Description as above.

6291—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price 19s. Description as above.

6292—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £1 1s. Description as above.

6293—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £1 3s. Description as above.

6294—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £1 7s. Description as above.

6295—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £1 12s. Description as above.

6296—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price 18s. Description as above, only of improved make; strong, durable, and cannot get out of order.

6297—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £1 1s. Description as above.

6298—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £1 4s. Description as above.

6299—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £1 7s. Description as above.

6300—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £1 10s. Description as above.

6301—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £1 15s. Description as above.

6302—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £2. Description as above.

6303—Atmospheric Churn; manufactured by Griffiths and Browett, of Birmingham. Price £2 5s. Description as above.

6304—American Cabinet Refrigerator; manufactured by the Exhibitors. Price £26 5s. Will keep meat, fish, fruit, butter, &c., together in hot weather in perfect condition, and without one partaking of the flavour of the other, as in all other refrigerators. (*Shown in Operation.*)

6305—American Cabinet Refrigerator; manufactured by the Exhibitors. Price £21. Description as above.

6306—American Cabinet Refrigerator; manufactured by the Exhibitors. Price £16 10s. Description as above.

6307—American Cabinet Refrigerator; manufactured by the Exhibitors. Price £13 10s. Description as above.

6308—American Cabinet Refrigerator; manufactured by the Exhibitors. Price £9 9s. Description as above.

6309—American Mahogany Sideboard Refrigerator; manufactured by the Exhibitors. Price £21. Description as above. Suitable for dining-rooms, chambers, &c.

6310—American Refrigerator; manufactured by the Exhibitors. Price £8 10s. Description as above.

6311—American Refrigerator; manufactured by the Exhibitors. Price £7 10s. Description as above.

6312—American Refrigerator; manufactured by the Exhibitors. Price £6 6s. Description as above.

6313—American Portable Ice House; manufactured by the Exhibitors. Price £2 10s. For preserving ice, food, &c., and cooling wine.

6314—American Portable Ice House; manufactured by the Exhibitors. Price £3 10s. Description as above.

6315—American Portable Ice House; manufactured by the Exhibitors. Price £4 10s. Description as above.

6316—American Portable Ice House; manufactured by the Exhibitors. Price £5 10s. Description as above.

6317—American Portable Ice House; manufactured by the Exhibitors. Price £6 10s. Description as above.

6318—American Portable Ice Box; manufactured by the Exhibitors. Price £1 7s. 6d. For keeping ice, food, and wine in the sick-room; for the races; for travelling; for keeping a day or two supply of ice, &c.

6319—American Portable Ice Box; manufactured by the Exhibitors. Price £1 10s. Description as above.

6320—American Wine Freezer; manufactured by the Exhibitors. Price £1. Will frappe a bottle of wine in 6 minutes.

6321—American Wine Freezer; manufactured by the Exhibitors. Price £1 1s. Description as above.

6322—American Ice-Cream Freezer; manufactured by the Exhibitors. Price £2 12s. 6d. Will make ice-creams, ice-puddings, &c., in 6 minutes, ready moulded for the table, with a very small quantity of ice and salt. Also will make clear, transparent ice in 10 minutes, with an inexhaustible freezing crystal, which can be used from day to day without entailing the destruction of the crystal.

6323—American Ice-Cream Freezer; manufactured by the Exhibitors. Price £2 10s. Description as above.

6324—American Ice-Cream Freezer; manufactured by the Exhibitors. Price £2 2s. Description as above.

6325—American Ice-Cream Freezer; manufactured by the Exhibitors. Price £3 17s. 6d. Description as above.

6326—American Ice-Cream Freezer; manufactured by the Exhibitors. Price £3 15s. Description as above.

6327—American Ice-Cream Freezer; manufactured by the Exhibitors. Price £3 3s. Description as above.

6328—American Ice-Cream and Wine Freezer; manufactured by the Exhibitors. Price £3 17s. 6d. Description as above; and in addition is adapted for icing wine.

6329—American Ice-Cream and Wine Freezer; manufactured by the Exhibitors. Price £3 16s. Description as above.

6330—American Ice-Cream and Wine Freezer; manufactured by the Exhibitors. Price £5. Description as above.

6331—American Ice-Cream and Wine Freezer; manufactured by the Exhibitors. Price £5 5s. Description as above.

6332—Economic Portable Cooking Dish; manufactured by the Exhibitors. Price 5s. Will cook chops, steaks, eggs, &c., in a few minutes with little pieces of crumpled newspaper for fuel.

6333—Economic Portable Cooking Dish and Kettle; manufactured by the Exhibitors. Price 10s. Description as above.

6334—Florence Heating Stove; manufactured by the Florence Company of the United States. Price £2 5s.

6335—Florence Heating and Cooking Stove; manufactured by the Florence Company. Price £3 10s. (*Shown in Operation.*)

6336—Yeatman's Yeast Powder; manufactured by Yeatman and Co., of London. Prices, 6d., 1s., 2s. 6d., 5s., and 10s. For making bread, pastry, and puddings. No alkaline taste, no discoloration, no setting to rise. Bread, pastry, &c., made ready for the oven in 4 minutes. Thoroughly wholesome. (*Bread-making &c., shown in Operation.*)

6337—Yeatman's Calisayine Bitter; manufactured by Yeatman and Co., of London. Price £2 2s. per doz. A tonic, an appetizer, a nerve nutrient, an exhilarant, and a constitutional renovator. The prince of pick-me-ups.

6338—Gazogene. Price £1 1s.

6339—Gazogene. Price £1 3s.

Stand No. 275.—Cottrell and Co., of Eddington Iron Works, Hungerford, Berkshire.

Article 6340—Patent "Climax" Folding Elevator, with Round Hopper; invented, improved, and manufactured by the Exhibitors. Price £50 10s. Mounted on 4 strong iron wheels. It can be unfolded and set to work in 2 or 3 minutes, and is fitted with patent sliding joints, by which the breakage of rake-chains is entirely prevented. By the improved angular gear the elevator may be attached at any angle to an ordinary threshing machine.

6341—Patent "Climax" Folding Elevator with Square Hopper; invented, improved and manufactured by the Exhibitors. Price £47 10s.

6342—1-Horse Iron Driving Gear; invented, improved and manufactured by the Exhibitors. Price £3. The gear is mounted on a strong iron bed, and supplied with all necessary appendages for working the "Climax" Elevators.

6343—Improved Malt Crushing Mill, No. 1, for Water or Steam Power; improved and manufactured by the Exhibitors. Price £30. Rolls 20 in. long, 11 in. diameter, fitted with wrought-iron spindles, gun metal bearings and wheels to set screws, thus preventing one end of rolls being set finer than the other. On regulating roller is attached a handle wheel for starting same, doing away with all gearing.

6344—Improved Malt Crushing Mill, No. 2; improved and manufactured by the Exhibitors. Price £16. Similar to above, with rolls 18 in. long, 7 in. diameter, and fitted with cog wheels. Adapted for hand power.

6345—Oxford General Purpose 1-Horse Cart; improved and manufactured by the Exhibitors. Price £16. With bed of good English oak and plank sides, and fitted with improved hay-ladders, tipping apparatus and machine-finished wheels. To carry 25 cwt.

6346—"Premier" General Purpose Light 1-Horse Cart; manufactured by the Exhibitors. Price £14. Similar to above, and fitted with hay ladders. Suitable for light cart or nag horse. To carry 20 cwt.

6347—Improved Winnowing Machine; improved and manufactured by the Exhibitors. Price £9. Fitted with wood springs, making it noiseless; complete with set of sieves for dressing wheat, oats, barley, peas, beans, &c.

6348—Portable Hand Barrow Pump; improved and manufactured by the Exhibitors. Price £3. Recommended to steam plough proprietors and farmers for filling water carts and all general purposes; fitted with 18 ft. suction hose and 10 ft. of delivery hose.

6349—Iron Screw Jack; manufactured by the Exhibitors. Price £3. To lift 10 tons.

6350—Iron Screw Jack; manufactured by the Exhibitors. Price £1 12s. 6d. To lift 4 tons.

Stand No. 276.—*Thomas Bradford and Co., of the Crescent Iron Works, Manchester ; and 140, 141, 142, 143, High Holborn, London, W.C.*

Article 6351—Improved Patent “Midfeather” Churn, No. 2 ; manufactured by the Exhibitors. Price £8 10s. With new registered wood frame ; to churn 6 gallons and under.

6352—Improved Patent “Midfeather” Churn, No. 3 ; manufactured by the Exhibitors. Price £4 10s. With new registered wood frame ; to churn 8 gallons and under.

6353—Improved Patent “Midfeather” Churn, No. 4 ; manufactured by the Exhibitors. Price £5 10s. With new registered wood frame ; to churn 11 gallons and under.

6354—Improved Patent “Midfeather” Churn, No. 5 ; manufactured by the Exhibitors. Price £6 10s. With new registered wood frame ; to churn 13 gallons and under.

6355—Improved Patent “Midfeather” Churn, No. 6 ; manufactured by the Exhibitors. Price £7 10s. With new registered wood frame ; to churn 16 gallons and under.

6356—Improved Patent “Midfeather” Churn, No. 8 ; manufactured by the Exhibitors. Price £9 10s. With new registered wood frame ; to churn 25 gallons and under.

6357—Assortment of 7 Improved Patent “Declivity” Box Churns ; manufactured by the Exhibitors. Price : No. 00, to churn 2½ quarts, £1 3s. ; No. 11, to churn 3½ quarts, £1 10s. ; No. 22, to churn 4½ quarts, £1 18s. ; No. 33, to churn 6½ quarts, £1 16s. ; No. 44, to churn 9½ quarts, £2 2s. ; No. 55, to churn 12 quarts, £2 8s. ; No. 66, to churn 16 quarts, £2 17s. 6d.

6358—Improved Patent “Slicer” Bone Mill ; manufactured by the Exhibitors. Price £5. It will slice and chop up all kinds of bones for dogs, fowls, pigs, &c.

6359—New Patent “Bone Meal” Mill ; manufactured by the Exhibitors. Price £5.

6360—New Patent “Peel” Potato Washer ; manufactured by the Exhibitors. Price £4 4s. Fitted with new arrangement for emptying.

6361—Patent Potato Washer ; manufactured by the Exhibitors. Price £15 15s. For asylums, workhouses, &c.

6362—Improved Portable Boiler, No. 4 ; manufactured by the Exhibitors. Price £4 10s. For boiling roots, &c. ; 14 gallons.

6363—Patent “Vowel A 7” Steam Washing and Wringing Machine ; manufactured by the Exhibitors. Price £30. With new improvements, and extra strong india-rubber wringer for power.

6364—Patent “Vowel A 8” Steam Washing and Wringing Machine ; manufactured by the Exhibitors. Price £70. The washing compartment made of pitch-pine, with brass mountings.

6365—Patent “Vowel A 10” Steam Washing and Wringing Machine ; manufactured by the Exhibitors. Price £120. With new patented improvements : washing compartment made of galvanized iron ; will wash 150 shirts at once.

6366—Patent “Shuttle P” Steam Power Washing Machine ; manufactured by the Exhibitors. Price £35. Is specially recommended for new shirt and collar washing ; and will wash 25 shirts in as many minutes.

6367—New Patent Steam Power “Shuttle” Washing Machine; manufactured by the Exhibitors. Price £50.

6368—New Patent Steam Calender, No. 68; manufactured by the Exhibitors. Price £32 10s. With 30-in. rollers; heated by steam; and new patented improvements.

6369—New Patent Steam Calender, No. 69; manufactured by the Exhibitors. Price £35. With 40-in. rollers.

6370—Improved Patent Wringing and Mangling Machine, manufactured by the Exhibitors. Price £9 10s. For steam power; very strong.

6371—Improved Patent “Premier” Box Mangle for Steam Power; manufactured by the Exhibitors. Price £35. Size 8 ft. 6 in.

6372—Improved Patent Rinsing, Wringing and Blueing Apparatus, No. 13; manufactured by the Exhibitors. Price £26 10s. Fitted with two extra strong wringing machines and all improvements.

6373—New Patent Double “Radial” Drying Closet; manufactured by the Exhibitors. Price £36. With revolving spiral horse, radiating arms, and improved hot-air stove complete.

6374—Improved Iron “Draw-Out” Drying Horse; manufactured by the Exhibitors. Price £9.

6375—Portable 4-Horse Power Engine and Boiler; manufactured by the Exhibitors. Price £97.

6376—New Patent Boot Cleaning Machine; manufactured by the Exhibitors. Price £35.

6377—New Patent “Vowel A 1” Washing, Wringing and Mangling Machine; manufactured by the Exhibitors. Price £6 10s. With top pressure; the most simple and efficient machine ever made for small family use.

6378—New Patent “Vowel A 1” Washing, Wringing and Mangling Machine; manufactured by the Exhibitors. Price £6 10s. Same as above, but with back pressure.

6379—Patent “Vowel A E” Washing, Wringing and Mangling Machine; manufactured by the Exhibitors. Price £8 5s.

6380—Patent “Vowel E” Washing, Wringing and Mangling Machine; manufactured by the Exhibitors. Price £8 15s. The best size combined family machine, very perfect and convenient in its detail.

6381—Patent “Vowel O” Washing, Wringing and Mangling Machine; manufactured by the Exhibitors. Price £13 13s. Extra strong, with 30-in. rollers.

6382—Patent “Vowel A” Washing Machine; manufactured by the Exhibitors. Price £3 15s. Will wash 10 or 12 shirts at once.

6383—Patent “Vowel I” Washing Machine; manufactured by the Exhibitors. Price £9 10s. With new pattern; extra strong wringing machine.

6384—Patent “Vowel A 2” Washing and Wringing Machine; manufactured by the Exhibitors. Price £15. Especially adapted for large schools or workhouses.

6385—Patent “Vowel A 4” Washing and Wringing Machine; manufactured by the Exhibitors. Price £20. Suitable for large public establishments.

6386—Patent “Shuttle K” Washing, Wringing, and Mangling Machine; manufactured by the Exhibitors. Price £6 10s. Improved, remarkably simple, efficient and compact.

6387—Patent “Shuttle I” Washing Machine; manufactured by the Exhibitors. Price £3 15s. Remarkably simple and efficient.

6388—New Patent Wringing and Mangling Machine, No. 79; manufactured by the Exhibitors. Price £2 15s. 6d. With elliptic spring and bar. 21 in. rollers.

6389—Improved Patent Wringing and Mangling Machine, No. 84; manufactured by the Exhibitors. Price £3 5s. With adjustable compound lever and spring; 24-in. rollers.

6390—Improved Patent Wringing and Mangling Machine, No. 85; manufactured by the Exhibitors. Price £3 15s. With adjustable compound lever and spring; 27-in. rollers.

6391—Patent Wringing and Mangling Machine, No. 0; manufactured by the Exhibitors. Price £3 12s. 6d. With lever and weight pressure; 24 in. rollers.

6392—Patent Wringing and Mangling Machine, No. 1; manufactured by the Exhibitors. Price £4 5s. With lever and weight pressure; 27-in. rollers.

6393—Patent Wringing and Mangling Machine, No. 2; manufactured by the Exhibitors. Price £5 5s. With lever and weight pressure; 30-in. rollers.

6394—Patent Wringing and Mangling Machine, No. 3; manufactured by the Exhibitors. Price £7. With lever and weight pressure; 34-in. rollers.

6395—Improved Patent “Premier” Box Mangle; manufactured by the Exhibitors. Price £14 10s. 6 ft.; family size.

6396—Improved Patent “Acorn” A Wringing Machine; manufactured by the Exhibitors. Price £1 7s.

6397—Improved Patent “Acorn” B Wringing Machine; manufactured by the Exhibitors. Price £1 10s. With india-rubber rollers.

6398—Patent “Acorn” C Wringing Machine; manufactured by the Exhibitors. Price £2. With india-rubber rollers; best family size.

6399—Patent “Acorn” C 2 Wringing Machine; manufactured by the Exhibitors. Price £2 12s. With india-rubber rollers; extra large.

6400—Patent India-Rubber Clothes Wringer, F 2; manufactured by the Exhibitors. Price £3 10s. In strong iron frame.

6401—Patent India-Rubber Clothes Wringer, G 2; manufactured by the Exhibitors. Price £4 10s.

6402—Improved Linen Press, No. 3; manufactured by the Exhibitors. Price £2 2s. With drawer; on stand.

6403—Improved Butler’s and Shawl Press; manufactured by the Exhibitors. Price £5. Very superior.

6404—Patent “Steady Boy” Cask Stand, No. 1; manufactured by the Exhibitors. Price 15s.

6405—(Sample) Assortment of Patent “Galileo”; manufactured by the Exhibitors. Price from 10s. 6d. Walking-stick telescopes; invaluable to tourists.

Stand No. 277.—*Thomas and Taylor, of 80 and 82, Lower Hillgate, Stockport, Cheshire; also 16, 18, and 20, Chapel Street, Salford, Manchester.*

Article 6406—E. Taylor's Patent Eccentric Churn, No. 1, 1½ Gallons; manufactured by the Exhibitors. Price £2 2s.

6407—E. Taylor's Patent Eccentric Churn, No. 2, 4 Gallons; manufactured by the Exhibitors. Price £2 15s.

6408—E. Taylor's Patent Eccentric Churn, No. 3, 6 Gallons; manufactured by the Exhibitors. Price £4.

6409—E. Taylor's Patent Eccentric Churn, No. 4, 9 Gallons; manufactured by the Exhibitors. Price £4 10s.

6410—E. Taylor's Patent Eccentric Churn, No. 5, 14 Gallons; manufactured by the Exhibitors. Price £5 10s.

6411—E. Taylor's Patent Eccentric Churn, No. 5 A, 21 Gallons; manufactured by the Exhibitors. Price £6 6s.

6412—E. Taylor's Patent Eccentric Churn, No. 6, 25 Gallons; manufactured by the Exhibitors. Price £7 7s.

6413—E. Taylor's Patent Eccentric Churn, No. 6, 25 Gallons, for Hand or Power; manufactured by the Exhibitors. Price £9 9s.

6414—E. Taylor's Patent Eccentric Churn, No. 8, 50 Gallons, for Hand or Power; manufactured by the Exhibitors. Price £15 15s. With his new patent self-acting ventilator, lets out or admits air, enables hot or cold water to be poured in, and shows progress of butter-making without stopping the churn. Self-acting, no spring or other valve required, combining advantages of open-air with revolving or enclosed churns.

6415—E. Taylor's Patent Eccentric Churn, No. 1, 1½ Gallons, made of Oak; manufactured by the Exhibitors. Price £3.

6416—E. Taylor's Patent Eccentric Churn, No. 2, 4 Gallons, made of Oak; manufactured by the Exhibitors. Price £3 18s. 6d.

6417—E. Taylor's Patent Eccentric Churn, No. 3, 6 Gallons, made of Oak; manufactured by the Exhibitors. Price £5 15s.

6418—E. Taylor's Patent Eccentric Churn, No. 4, 9 Gallons, made of Oak; manufactured by the Exhibitors. Price £6 10s.

6419—E. Taylor's Patent Eccentric Churn, No. 5, 14 Gallons, made of Oak; manufactured by the Exhibitors. Price £7 17s.

6420—E. Taylor's Patent Eccentric Churn, No. 5 A, 21 Gallons, made of Oak; manufactured by the Exhibitors. Price £9.

6421—Model, with Glass Sides, to Illustrate Working of Exhibitors' Patent Eccentric Churns; manufactured by the Exhibitors. (*Not for Sale.*)

6422—Patent Box Churn to make 2lbs. of Butter; manufactured by P. Johnstone, of London. Price £1 4s.

6423—Patent Box Churn to make 4lbs. of Butter; manufactured by P. Johnstone, of London. Price £1 11s. 6d.

6424—Table and Assorted Collection of Dairy Utensils, Butter Prints, &c.; manufactured by the Exhibitors. Price, according to size.

6425—E. Taylor's Patent Eccentric Combined Washing, Wringing, and Mangling Machine, No. 00; manufactured by the Exhibitors. Price £6 6s.

6426—E. Taylor's Patent Eccentric Combined Washing, Wringing, and Mangling Machine, No. 0; manufactured by the Exhibitors. Price £7 7s.

6427—E. Taylor's Patent Eccentric Combined Washing, Wringing, and Mangling Machine, No. 1 s; manufactured by the Exhibitors. Price £8 8s.

6428—E. Taylor's Patent Eccentric Combined Washing, Wringing, and Mangling Machine, No. 1; manufactured by the Exhibitors. Price £9 9s.

6429—E. Taylor's Patent Eccentric Combined Washing, Wringing, and Mangling Machine, No. 2; manufactured by the Exhibitors. Price £13 13s.

6430—E. Taylor's Patent Eccentric Washing Machine, No. 1, with India-Rubber Wringer; manufactured by the Exhibitors. Price £6 6s.

6431—E. Taylor's Patent Eccentric Washing Machine, No. 2, with India-Rubber Wringer; manufactured by the Exhibitors. Price £9.

6432—E. Taylor's Patent Eccentric Washing Machine, No. 3, with India-Rubber Wringer, Extra Strong; manufactured by the Exhibitors. Price £14 14s.

6433—E. Taylor's Patent Improved Wringing and Mangling Machine, No. 00, 21-In. Rollers, with Compound Levers and Light Weights; manufactured by the Exhibitors. Price £3 6s. 6d.

6434—E. Taylor's Patent Improved Wringing and Mangling Machine, No. 0, 24-In. Rollers; manufactured by the Exhibitors. Price £3 17s. 6d.

6435—E. Taylor's Patent Improved Wringing and Mangling Machine, No. 1, 27-In. Rollers; manufactured by the Exhibitors. Price £4 5s.

6436—E. Taylor's Patent Improved Spring Wringing and Mangling Machine, No. 00, 21-In. Rollers; manufactured by the Exhibitors. Price £2 15s.

6437—E. Taylor's Patent Improved Spring Wringing and Mangling Machine, No. 0, 24-In. Rollers; manufactured by the Exhibitors. Price £3 5s.

6438—E. Taylor's Patent Improved Wringing and Mangling Machine, No. 00, 21-In. Rollers, with Simple Levers; manufactured by the Exhibitors. Price £2 17s. 6d.

6439—E. Taylor's Patent Improved Wringing and Mangling Machine, No. 0, 24-In. Rollers, with Simple Levers; manufactured by the Exhibitors. Price £3 6s. 6d.

6440—E. Taylor's Patent Improved Wringing and Mangling Machine, No. 1, 27-In. Rollers, with Simple Levers; manufactured by the Exhibitors. Price £3 17s. 6d.

6441—E. Taylor's Patent Improved Wringing and Mangling Machine, No. 2, 30-In. Rollers, with Simple Levers; manufactured by the Exhibitors. Price £5 5s.

6442—Patent Improved India-Rubber Wringer, No. 1, 12-In. Rollers; manufactured by the Exhibitors. Price £1 15s.

6443—Patent Improved India-Rubber Wringer, No. 2, 14-In. Rollers; manufactured by the Exhibitors. Price £2 5s.

6444—Patent Improved India-Rubber Wringer, No. 3, 16-In. Rollers; manufactured by the Exhibitors. Price £2 15s.

6445—Patent Improved Box Mangle ; manufactured by the Exhibitors. Price £15 15s.

6446—Patent Improved Box Mangle, for Hand or Power ; manufactured by the Exhibitors. Price £35.

6447—Rinsing and Blueing Trough, with Rubber Wringer ; manufactured by the Exhibitors. Price £4 4s.

6448—Rinsing Trough, with Extra Strong India-Rubber Wringer, for Hand or Power ; manufactured by the Exhibitors. Price £10 10s.

6449—E. Taylor's Patent 51-In. Steam Calender, with Patent Reversing Gear, and Patent Receiving Trough, by which one person can calender the largest table-cloth without help ; manufactured by the Exhibitors. Price £85.

6450—E. Taylor's Patent 40-In. Gas Calender, for Hand or Power, with Patent Receiving Trough, by which one person can calender the largest table-cloth without help ; manufactured by the Exhibitors. Price £31 11s. 6d.

6451—E. Taylor's Patent Steam Power Washing and Wringing Machine, No. 3, with Patent Reversing Gear, and Patent Self-Acting Feed and Delivery Motion ; manufactured by the Exhibitors. Price £130.

6452—E. Taylor's Patent Steam Power Washing and Wringing Machine, No. 2, with Patent Reversing Gear, and Patent Self-Acting Delivery Motion ; manufactured by the Exhibitors. Price £75.

6453—E. Taylor's Patent Steam Power Washing and Wringing Machine, No. 1, with Patent Reversing Gear, and Patent Self-Acting Delivery Motion ; manufactured by the Exhibitors. Price £45.

6454—E. Taylor's Patent Steam Power Washing and Wringing Machine, No. 1, with Fast and Loose Pulleys ; manufactured by the Exhibitors. Price £30.

6455—E. Taylor's Patent Rinsing and Wringing Machine, 40-In. Rollers ; Pressure by Self-Acting Levers and Weights and Regulating Spring combined, with Patent Reversing Gear, and Patent Self-Feeding and Self-Delivery Motion ; manufactured by the Exhibitors. Price £60.

6456—Patent Copper, Farmer's or Laundry Boiler ; manufactured by Smith and Wellstood, of Glasgow. Price £8.

6457—Sample Horizontal Steam Engine, Fixed on Water Tank Base, suitable for Working Dairy or Laundry Machinery ; manufactured for the Exhibitors. Price according to size.

6458—Sample Semi-Portable Multitubular Steam Boiler, suitable for Raising Steam for Farm, Dairy, or Laundry Purposes. Price according to size.

6459—Samples of Shafting Pulleys, Hangers, &c., suitable for Driving Farm, Dairy, or Laundry Machinery ; manufactured by the Exhibitors. Price according to size.

6460—Model of E. Taylor's Patent Clothes Drying or Disinfecting Closet, with Stove for Heating Irons ; manufactured by the Exhibitors. Price according to size.

6461—Book of Plans, Showing Complete Sets of Dairy and Laundry Machinery and Drying Closets, Disinfecting Stoves, &c. ; manufactured by the Exhibitors. (*Not for Sale.*)

Stand No. 278.—*William Crosskill and Sons, of Beverley, Yorkshire.*

Article 6462—Improved Self-Cleansing Clod Crusher; manufactured by the Exhibitors. Price £19 10s. Travelling wheels, £3 extra; 6 ft. wide by 30 in. diameter. Is universally acknowledged to be the best implement ever introduced for crushing clods, rolling green crops, &c.

6463—Improved Self-Cleansing Clod Crusher; manufactured by the Exhibitors. Price £16 10s. Travelling wheels, £2 10s. extra. Similar to preceding article, but lighter.

6464—Improved Light 2-Horse Cart, with Loose Side and End Boards; manufactured by the Exhibitors. Price £19 10s. To carry 35-cwt. loads; tire, 4½ in. by ½ in.; wheels, 4 ft. 9 in. high. Is very strong and durable.

6465—Improved Builder's or Contractor's Cart; manufactured by the Exhibitors. Price £19 10s. To carry 35-cwt. loads; wheels, 4 ft. 9 in. high; tire, 3 in. by ½ in. Well adapted for heavy work; is very strong and durable.

6466—Improved 1-Horse Cart, with Loose Side and End Boards; manufactured by the Exhibitors. Price £15 10s. London ladders, £2 extra. To carry 25-cwt. loads; tire, 4 in. by ½ in. Is strong, durable, and useful for general purposes.

6467—Improved Strong 1-Horse Cart, with Loose Side and End Boards; manufactured by the Exhibitors. Price £17 5s. Harvest shelvings, £1 15s. extra. To carry 30-cwt. loads; tire, 4½ in. by ½ in. Similar to preceding article, but stronger.

6468—Improved Leeds Pattern 1-Horse Cart; manufactured by the Exhibitors. Price £16 10s. Harvest ladders, £1 extra. Has broad fixed rungs instead of loose side and end boards; strongly recommended for general purposes; and a simple tipping apparatus is connected with each shaft. To carry 25-cwt. loads; tire, 4 in. by ½ in.

6469—Improved Light York Pattern Cart; manufactured by the Exhibitors. Price £14 10s. Has a simple tipper, and is light and durable. To carry 20-cwt. loads; wheels, 4 ft. 6 in. high; tire, 3½ in. by ½ in.

6470—Improved Light Pony Cart, Mounted on Springs; manufactured by the Exhibitors. Price £15 10s. To carry loads of 15 cwt.; tire, 2 in. by ½ in.; wheels, 4 ft. high. Similar to preceding article, but smaller.

6471—Improved Light Spring Market Cart; manufactured by the Exhibitors. Price £19 10s. To carry 15-cwt. loads; tire, 1½ in. by ½ in.; wheels, 4 ft. 9 in. high. Of a neat and much improved construction, and fitted with wood naves, mail patent axle and brass caps, wood wings, 2 steps, 2 seats. Is sufficiently roomy to be useful for general purposes, and is well adapted for conveying luggage, &c.

6472—Improved Light Spring Market Cart, suitable for a Pony; manufactured by the Exhibitors. Price £18 10s. To carry loads of 10 cwt.; wheels, 4 ft. 6 in. high; tire, 1½ in. by ½ in. Similar to the preceding article, but smaller and lighter.

6473—Improved Light Cranked-Axle Spring Cart, with Movable Seat; manufactured by the Exhibitors. Price £20 10s. Has wood naves, mail patent axle, and brass caps; wheels, 4 ft. high; tire, 1½ in. by ½ in. Low and convenient for removing heavy hampers, boxes, &c., and suitable for wine merchants, brewers, grocers, &c.

6474—Improved London Spring Delivery Cart, with Seat; manufactured by the Exhibitors. Price £31. Has wheels 4 ft. 11 in. high;

tire 2 in. by $\frac{1}{2}$ in.; wood naves, patent axle and brass caps. Strongly recommended for carrying general merchandise.

6475—Improved Harvest Cart; manufactured by the Exhibitors. Price £17 10s. Has a large, light, and low body, expressly adapted for conveying hay, corn, &c.; with wheels, 4 ft. 6 in. high; tire, 4 in. convex.

6476—Improved Cattle Cart, Mounted on Springs; manufactured by the Exhibitors. Price £38 10s. If without movable cover, £31. Constructed with a cranked axle and patent oil boxes; wheels, 4 ft. 6 in. high; tire, 3 in. by $\frac{1}{2}$ in., and arranged so that stock can walk in at one end and out at the other with safety.

6477—Improved 3-Ton Waggon, with Single Shafts; manufactured by the Exhibitors. Price £36. Harvest ladders, 30s. extra; double shafts, £2 extra. Tire, $2\frac{1}{2}$ in. by $\frac{1}{2}$ in. Combines simplicity with strength, lightness with durability; will turn in a short space, runs easily, and can be fitted with brake when required.

6478—Improved Strong Waggon; manufactured by the Exhibitors. Price £41 10s. Harvest ladders, £1 10s. extra; double shafts, £2 extra. Tire, 4 in. by $\frac{1}{2}$ in. To carry 4 to 5 tons; is very strong and durable; in other respects similar to the preceding article.

6479—Improved Iron Cart for Water or Liquid Manure; manufactured by the Exhibitors. Price £20 10s. Portable pump and hose pipe for above, with $3\frac{1}{2}$ -in. working barrel and brass buckets, £5. The body is made of iron, to hold 120 gallons, and fitted with a brass outlet valve and spreadboard, which is easily adjusted to deliver evenly any quantity.

6480—Improved Iron Cart for Water or Liquid Manure; manufactured by the Exhibitors. Price £26 10s. Portable pump and hose pipe for above, with $4\frac{1}{2}$ -in. working barrel and brass buckets, £6 10s. To hold 200 gallons. The body is made of iron, and fitted with a brass outlet valve; in other respects similar to the preceding article.

6481—Improved Sanitary or Tumbler Cart, to hold 200 Gallons; manufactured by the Exhibitors. Price £28 10s. Has a wrought-iron body, suspended on the axle, so that it can be turned completely over to discharge the load; strongly recommended for town work, for carrying night soil, street sweepings, sewage, manure, &c.; medium size.

6482—Improved Lorrie, Dray, or Rully, to Carry 3 Tons, Mounted on Springs; manufactured by the Exhibitors. Price £35 10s. Has a movable end board, and with wood naves, patent axles, and brass caps; tire, 3 in. by $\frac{1}{2}$ in.; wheels, 3 ft. 8 in. and 3 ft. 6 in. high, with single shafts. Strong and useful, and well adapted for carrying grain, coal, coke, and general merchandise.

6483—Light Emigrant's Waggon, Mounted on Springs; manufactured by the Exhibitors. Price £45. Constructed with portable cover, gantry, driver's seat, double shafts, improved brake; tire $2\frac{1}{2}$ in. by $\frac{1}{2}$ in.; wheels, 4 ft. 3 in. and 3 ft. high. Can easily be taken to pieces and packed for shipment.

6484—Improved Pair Wheels, with Axle and Patent Oil Boxes; manufactured by the Exhibitors. Price £9 15s. To carry loads of 25 cwt.; tire, 4 in. by $\frac{1}{2}$ in.; 4 ft. 6 in. high.

6485—Specimens of Portable Farm Railway, Trucks, and Turntable; manufactured by the Exhibitors. Price 4s. 6d. per running yard. Trucks, £8 10s.; turntables, £8 10s. each 2 ft. 6 in. gauge. Consists of longitudinal and transverse sleepers, in 15-ft. lengths; to carry 15 cwt.; extensively used for conveying manure, marl, turnips, &c., over wet land. For cost of points, &c., see Makers' Illustrated Catalogue.

6486—Improved Archimedean Root Washer on Wheels, Medium Size; manufactured by the Exhibitors. Price £6 10s. The roots are put in through a hopper at one end, washed by turning the handle in one direction, and discharged at the other end by reversing it.

6487—Improved Cast-Iron Fixture Pig Trough, 2 Ft. 3 In. Wide; manufactured by the Exhibitors. Price £2 15s. Has a movable shutter, so that the pigs can be fed from either side of the wall in which the trough is built.

6488—Improved Circular Pig Trough; manufactured by the Exhibitors. Price 18s. Made of cast iron, with a revolving top, and divisions for pigs; very strong and useful.

6489—Improved Single Roller Bone Mill; manufactured by the Exhibitors. Price £97 10s.; friction sheave to ditto, £5 10s. extra. Has a strong cast-iron frame, wrought-iron cutters (case-hardened), and a revolving riddle, and can be driven direct from a strap by a 6-horse power steam engine.

6490—Improved Double Roller Bone Mill; manufactured by the Exhibitors. Price £250; friction sheave, £6 10s. extra. Has a massive cast-iron frame, wrought-iron cutters (case-hardened), and a revolving riddle; is very powerful, compact, and efficient, and constructed in the most durable manner possible.

6491—10-Horse Power Double Cylinder Engine; manufactured by Clayton and Shuttleworth, of Lincoln. Price £265; with second fly wheel, £7 10s. extra. Constructed with every improvement to ensure the utmost economy, simplicity, efficiency, and durability, and mounted upon wood or wrought-iron travelling wheels, and adapted for steam ploughing, grinding, or any purpose for which steam power is required.

Stand No. 279.—*John and Henry Gwynne, of Hammersmith Iron Works, and 89, Cannon Street, London, E.C.*

Article 6492—12-In. "Invincible" Centrifugal Pumping Engine, Horizontal; manufactured by the Exhibitors. Price £260. (*For Trial.*)

6493—6-In. "Invincible" Pumping Engine, Vertical; manufactured by the Exhibitors. Price £135. (*For Trial.*)

6494—Portable Centrifugal Pumping Engine and Boiler; manufactured by the Exhibitors. Price £210. This arrangement combines great strength with lightness and extreme portability. The crankshaft is made long, so that engine may be used to drive any other machine, should pump not be required to work. Pump is so made that suction and discharge pipes can swivel to any angle, requiring no bends. (*For Trial.*)

6495—4-In. Centrifugal Pump, with Vertical Engine and Boiler on Bed Plate; manufactured by the Exhibitors. Price £100. (*For Trial.*)

6496—15-In. "Invincible" Centrifugal Swivel Pump, Mounted on Wheels; manufactured by the Exhibitors. Price £150. These pumps are particularly valuable for irrigation, or any purpose where a large volume of water is required to be raised. They run lightly, being provided with very large wheels; require no fixing or foundations; and are provided with grating for suction pipe, and clack valve for discharge. (*For Trial.*)

6497—8-In. "Invincible" Centrifugal Swivel Pump, Mounted on Wheels; manufactured by the Exhibitors. Price £51 10s. This pump, mounted on wheels, is not provided with air exhauster, but with foot valve and grating, merely requiring to be filled with water when first started. (*For Trial.*)

6498—8-In. "Invincible" Centrifugal Pumping Engine, Vertical; manufactured by the Exhibitors. Price £165.

6499—3-In. "Invincible" Centrifugal Pump, with Foot Valve and Grating; manufactured by the Exhibitors. Price £13 10s. The "Invincible" centrifugal is unrivalled for efficiency, durability, the ease with which all parts can be inspected, and the capability of swivelling the suction and discharge to any angle.

6500—4-In. "Invincible" Centrifugal Pump, with Foot Valve and Grating; manufactured by the Exhibitors. Price £20.

6501—5-In. "Invincible" Centrifugal Pump, with Foot Valve and Grating; manufactured by the Exhibitors. Price £23.

6502—6-In. "Invincible" Centrifugal Pump, with Exhauster, Clack Valve, and Grating; manufactured by the Exhibitors. Price £31 15s. This pump is fitted with air exhauster, by means of which it may be started by merely turning the cock between pump and air pipe.

6503—7-In. Centrifugal Pump (Old Style), with Foot Valve and Grating; manufactured by the Exhibitors. Price £38 10s.

6504—8-In. "Invincible" Centrifugal Pump, with Exhauster, Clack Valve, and Grating; manufactured by the Exhibitors. Price £49 5s.

6505—9-In. "Invincible" Centrifugal Pump, with Exhauster, Clack Valve, and Grating; manufactured by the Exhibitors. Price £54 10s.

6506—10-In. "Invincible" Centrifugal Pump, with Exhauster, Clack Valve, and Grating; manufactured by the Exhibitors. Price £65.

6507—12-In. "Invincible" Centrifugal Pump, with Exhauster, Clack Valve, and Grating; manufactured by the Exhibitors. Price £99.

6508—6-In. Centrifugal Swivelling Pump, on Bed Plate and Wheels; manufactured by the Exhibitors. Price £41 15s.

6509—18-In. "Invincible" Centrifugal Pump; manufactured by the Exhibitors. Price £146.

6510—30-In. Patent Hydro Extractor; manufactured by the Exhibitors. Price £140. This machine is particularly efficient in drying sugar, indigo, grains, rags, or in fact anything. The baskets are easily removed and cleaned; the machine works without noise or vibration, and can be readily stopped by means of brake.

6511—15-In. Turbine Water Wheel, Fitted with Adjustment; manufactured by the Exhibitors. Price £90. This turbine is constructed on the Schiele principle, furnished with many improvements which a long experience has suggested. Advantages over the old form of water wheel: compactness, requiring no foundations, efficiency, durability, and the high speed at which they run, doing away with gearing. Can be made for any power.

6512—Vertical Engine and Boiler, on same Bed Plate; manufactured by the Exhibitors. Price £155.

6513—5-In. "Invincible" Centrifugal Pumping Engine, Vertical; manufactured by the Exhibitors. Price £110.

6514—Case of Models; manufactured by the Exhibitors. Price £500.

6515—18-In. "Invincible" Centrifugal Pumping Engine; manufactured by the Exhibitors. Price £600. This pumping engine is designed and constructed with a special view to raising, economically, very large quantities of water; is fitted with variable expansion gear (which can be adjusted to any cut-off whilst the engine is working), jet condenser and air pumps. The cylinder is steam-jacketed and lagged with felt.

Stand No. 280.—*Corcoran, Witt, and Co., of*
 30, *Market Buildings, Mark Lane, London, E.C.*

Article 6516—(*New Implement.*)—New and Improved Elevator for Raising Grain and Unloading Ships, Barges, Waggon, &c., by means of Air, to any Height; manufactured by the Exhibitors. Price from £25.

6517—(*New Implement.*)—Improved Elevator for Raising Grain by Means of Bands and Buckets; manufactured by the Exhibitors. Price £5.

6518—(*New Implement.*)—Improved Porcelain Roller Mill, for the Complete Reduction of Middlings, with or without Differential Speed, and with or without Detacheur; manufactured by the Exhibitors. Price from £40.

6519—(*New Implement.*)—Single Pair Porcelain Roller Mill for Cracking Wheat, Indian Corn, &c.; manufactured by the Exhibitors. Price from £35.

6520—Tiny Hand-Power Threshing Machine; manufactured for the Exhibitors. Price £6 10s.

6521—Improved Chain Pump for Irrigation; manufactured for the Exhibitors. Price £6.

6522—(*New Implement.*)—Improved Middlings Purifier; manufactured by the Exhibitors. Price £40. The best machine yet introduced.

6523—(*New Implement.*)—Improved American Middlings Purifier; manufactured by La Croix. Price from £60.

6524—(*New Implement.*)—New Improved Cockle Separating Machine; manufactured by the Exhibitors. Price from £25.

6525—(*New Implement.*)—New Improved Brushing Machine for Wheat, &c.; manufactured by the Exhibitors. Price from £50.

6526—(*New Implement.*)—Improved Corn-Grinding Mill for Making Semolina by a New Process; manufactured by Aubin & Co., of Paris. Price from £250.

6527—Improved Disintegrator with Steel Discs and Beater; manufactured for the Exhibitors. Price from £24. For reducing barytes, bones, cements, charcoal, coal, colours, drugs, manures, phosphates, &c., to fine powder.

6528—Pair of 4-Ft. Diameter Best French Burr Millstones; manufactured by the Exhibitors. Price from £30. For grinding English and foreign wheat, &c.

6529—New Improved Corn-Grinding Mill; manufactured by the Exhibitors. Price £100.

6530—Pair of Millstones for Barley Grinding and Farmers' Use; manufactured by the Exhibitors. Price £20.

6531—Pair of French Burr Millstones for Grinding Coprolites, Artificial Manures, Cements, &c.; manufactured by the Exhibitors. Price £42.

6532—French Burr Millstone, Turned True on Face by a Patent Millstone Turning Lathe; manufactured for the Exhibitors. Price £20.

6533—Vertical Iron Smut Machine and Wheat Cleaner; manufactured by the Exhibitors. Price £12.

6534—Vertical Iron Smut Machine, with Separator; manufactured by the Exhibitors. Price £21.

6535—8-Horse Power Portable Engine; manufactured for the Exhibitors. Price £210.

6536—Silk Flour-Dressing Machine, and a Covering of Best "Anker" Brand Swiss Silk Bolting Cloth; manufactured by the Exhibitors. Price from £75.

6537—Flour-Dressing Machine, with a Covering of Wire of Various Numbers; manufactured by the Exhibitors. Price £50.

6538—Malt Kiln Floor; manufactured by the Exhibitors. Price from 1s. per square foot. On the Exhibitors' improved principles for drying grain, &c.

6539—Model of Improved Furnace for Malt Kilns; manufactured by the Exhibitors. Price on application.

6540—Improved Copper Malt Kiln Cowl; manufactured by the Exhibitors. Price from £15.

6541—Improved Basket and Carriers for Conveying the Grain on to the Kiln without Treading on the Floor; manufactured by the Exhibitors. Price from 8s. each.

6542—Disqualified—Informal Entry.

6543—Champion Malt Screen, with Fall; manufactured by the Exhibitors. Price from £4 10s., and upwards.

6544—Corn Screen or Oat Screen; manufactured by the Exhibitors. Price £2 12s. 6d., and upwards.

6545—Selection of Malting Shovels, Forks, Ploughs, Gauge Rods, Corn Samplers, Hand Malt Mills, &c.; manufactured by the Exhibitors. Price from 2s. each and upwards.

6546—Malt Kiln Hoisting Apparatus; manufactured by the Exhibitors. Price from £2 2s.

6547—Set of Plough-Shares, Case-Hardened, Specially made for Various Ploughs. Price from 8s. per dozen.

6548—Set of Cast-Iron Palisading for Gardens, &c. Price from 8s. per cwt.

6549—Sprinkling Can, with Long Perforated Tubes and Improved Adjustable Handle, for Sprinkling Malt without Treading on the Grain; manufactured by the Exhibitors. Price from 6s. 6d. each.

6550—Assortment of Malt Trucks; manufactured by the Exhibitors. Price from 15s. each.

6551—Sack Truck for Maltings, with Wheels Covered with Patent India-Rubber Tyres, which does not break the Malt when wheeled over; manufactured by the Exhibitors. Price £1 7s. 6d.

6552—Selection of Malt Kiln Tiles; manufactured by the Exhibitors. Price 10s. per dozen.

6553—Set of Corn and Seed Measures; manufactured by the Exhibitors. Price from £1 13s.

6554—Set of Maltsters' Bushel Measures; manufactured by the Exhibitors. Price from 12s. to £1 16s. each.

6555—Manure or Gravel Screen, Very Strong; manufactured by the Exhibitors. Price, £4 15s.

6556—Corn Weighing Machine; manufactured by the Exhibitors. Price £3 15s.

6557—Double Weighing Machine; manufactured by the Exhibitors. Price £5 7s. 6d.

6558—Set of Miller's Flour Scales, with Beam and Lever. Price £7.

6559—Wheat Worm and Conveyor for Silk and Flour Bolting Machines; manufactured by the Exhibitors. Price from 7s. per foot.

6560—Wrought-Iron Crane for Lifting Millstones; manufactured by the Exhibitors. Price £10.

6561—Length of Chain for Sack Hoist; manufactured by the Exhibitors. Price 6d. per foot.

6562—Set of Sack Hoists or Pulley Blocks, for Raising Corn Sacks, &c.; manufactured by the Exhibitors. Price from £1 10s.

6563—Chondrometer or Corn Balance; manufactured by the Exhibitors. Price £2 12s. 6d. For ascertaining the weight of grain per bushel, also made with scales for all nations, showing their equivalents in English weight or measure.

6564—Metal Prover for Stone Staff, in Case Complete; manufactured by the Exhibitors. Price £3.

6565—Mahogany Staff, built in 3 Sections, and Bolted together; manufactured by the Exhibitors. Price £1 12s. 6d.

6566—Roll of Steel Smut Wire; manufactured by the Exhibitors. Price from 1s. per square foot.

6567—Case of Flour-Machine Wire; manufactured by the Exhibitors. Price from 6d. per foot.

6568—Case of Iron, Brass, Copper, and Steel Woven Wire and Wire Netting; manufactured by the Exhibitors. Price from 6d. per foot.

6569—Selection of Brushes for Flour and Smut Machines; manufactured by the Exhibitors. Price from 1s. 3d. per foot. Boiler tube brushes.

6570—Selection of Best Silver Steel Mill Bills, Picks, Chisels, &c.; manufactured by the Exhibitors. Price from 1s. per lb.

6571—Selection of Helvetia Leather Driving Bands; manufactured by the Exhibitors. Price from 4d. per foot. Far superior to the ordinary driving bands, and thoroughly well stretched.

6572—Grindstone of Fine Grit for Millers' Tools; manufactured by the Exhibitors. Price 17s. 6d.

6573—Barley Screen for Maltsters and Brewers; manufactured by the Exhibitors. Price £5 15s.

6574—Collection of Corn and Seed Sieves, Clover Seed Sieves, Foundry Sieves, Silk Gauze Sieves, Cane Chaff Sieves, Perforated Metal Sieves; manufactured by the Exhibitors. Price from 3s. each.

6575—Case of Mill Brooms, Brushes, Machine Brushes, Machine Belting and Laces, Lubricators, Oil Cans and Oil Feeders, Machinery Oil, Belt Fasteners, Gut Bands and Hook and Eye Fasteners, Jack Sticks with Spirit Levels, Hop Kiln Drying Cloths, and suudry Corn Mill Fittings; manufactured by the Exhibitors. Price from 1s. each.

6576—Millstone Feeder; manufactured by the Exhibitors. Price £2 10s.

Stand No. 281.—*Armitage and Itter, of Britannia Iron Works, Bury, Huntingdon.*

Article 6577—6-Ft. 6-In. 10-Row Corn, Seed, and Manure Drill; improved and manufactured by the Exhibitors. Price £46; fore-carriage steerage, £5 extra.

6578—6-Ft. 6-In. 10-Row Corn Drill; improved and manufactured by the Exhibitors. Price £27; fore-carriage steerage, £4 10s. extra.

6579—8-Ft. 26-Row Clover, Seed, and Rye-Grass Drill; improved and manufactured by the Exhibitors. Price £30.

6580—No. A 1 Improved Portable Grist Mill, for Grinding Wheat, Barley, Beans, Peas, Oats, Maize, &c., direct into Sack, adapted for Engines of 6- or 8-Horse Power, with Travelling Carriage; manufactured by the Exhibitors. Price £28.

6581—No. A Grist Mill, adapted for Engines of 6- to 8-Horse Power; improved and manufactured by the Exhibitors. Price £21. (*See Machines in Motion.*)

6582—No. c Grist Mill, adapted for Horse Gears, 2- to 4-Horse Power, and for Small Steam Engines; improved and manufactured by the Exhibitors. Price £13. The whole of the grinding surfaces of the mills may be renewed at a cost of £3. (*See Machines in Motion.*)

6583—No. E 1 Portable Drain Pipe and Tile Machine, for Hand-Power; improved and manufactured by the Exhibitors. Price £16. Easily worked by strong lad; with cutting frame and 1 pipe die of any diameter up to 6 in.

6584—No. F 2 Portable Drain Pipe and Tile Machine, for Hand-Power; improved and manufactured by the Exhibitors. Price £20. Similar to foregoing, but larger and stronger, with long cutting frame and 1 pipe die.

6585—No. G 3 Portable Drain Pipe, Tile, and Brickmaking Machine, for Hand-Power; improved and manufactured by the Exhibitors. Price £23. Pipes up to 13 in. internal diameter can be made with this machine if fitted with an expanding mouthpiece; with long cutting frame and 1 pipe die.

6586—No. 3 c Portable Drain Pipe, Tile, and Brickmaking Machine; improved and manufactured by the Exhibitors. Price £90; if fitted with crushing rollers, £25 extra. For steam-power for engines from 6- to 8-horse power, mounted on wheels; with horizontal pug-mill, which can be easily examined and cleaned by removal of a few bolts; with cutting frame and 1 die. (*See Machines in Motion.*)

6587—Three Samples of Itter's Patent Wrought-Iron Sashes for Farmhouses, Stables, &c.; manufactured by the Exhibitors. Price 2s. per foot super.

Stand No. 282.—*J. and M. Cammell, of Brookfield, Hathersage, near Sheffield.*

Article 6588—4 Ft. Diameter by 12 In. Thick, Hard Derby-Peak Runner Millstone; manufactured by the Exhibitors. Price £3 5s. wholesale, rough dressed, delivered at St. Pancras Station, or alongside South Devon Wharf, river Thames, London.

6589—4 Ft. Diameter by 11 In. Thick, Hard Derby-Peak Bed Millstone; manufactured by the Exhibitors. Price £3 5s. wholesale, rough dressed, delivered at St. Pancras Station, or alongside South Devon Wharf, river Thames, London.

6590—5 Ft. Diameter by 12 In. Thick, Derby-Peak Sheller for Rice; manufactured by the Exhibitors. Price £6 10s. wholesale, rough dressed, delivered at St. Pancras Station, or alongside South Devon Wharf, river Thames, London.

6591—3 Ft. Diameter by 18 In. Thick, Barley or Buckwheat Derby-Peak Stone; manufactured by the Exhibitors. Price £4 5s. wholesale, rough dressed, delivered at St. Pancras Station, or alongside South Devon Wharf, river Thames, London.

6592—8 Ft. Diameter by 20 In. Thick, Rape, Linseed, or Oil-cake Derby-Peak Edge-Runner Stone; manufactured by the Exhibitors. Price £26 10s., delivered at St. Pancras Station, London, only.

Stand No. 283.—*Thomas Lloyd and Sons, of
327, Old Street, London, E.*

Article 6593—Flour Mill and Dressing Machine; manufactured by the Exhibitors. Price £6 15s.

6594—Flour Mill and Dressing Machine; manufactured by the Exhibitors. Price £8 15s.

6595—Flour Mill and Dressing Machine; manufactured by the Exhibitors. Price £12.

6596—Flour Mill and Dressing Machine; manufactured by the Exhibitors. Price £15.

6597—Corn Grinding Mill; manufactured by the Exhibitors. Price £4.

6598—Corn Grinding Mill; manufactured by the Exhibitors. Price £5.

6599—Corn Grinding Mill; manufactured by the Exhibitors. Price £6.

6600—Corn Grinding Mill; manufactured by the Exhibitors. Price £7.

6601—Corn Grinding Mill; manufactured by the Exhibitors. Price £8 10s.

6602—Corn Grinding Mill; manufactured by the Exhibitors. Price £12.

6603—Corn Crusher with Steel Rollers; manufactured by the Exhibitors. Price £5 10s.

6604—Corn Crusher with Steel Rollers; manufactured by the Exhibitors. Price £6 10s.

6605—Corn Crusher with Steel Rollers; manufactured by the Exhibitors. Price £7 10s.

6606—Corn Crusher with Steel Rollers; manufactured by the Exhibitors. Price £10.

6607—Indian Corn Crusher; manufactured by the Exhibitors. Price £6 10s.

6608—Indian Corn Grinding Mill for Post; manufactured by the Exhibitors. Price £2 10s.

6609—Indian Corn Grinding Mill for Post; manufactured by the Exhibitors. Price £3 10s.

6610—Barley Mill; manufactured by the Exhibitors. Price £5.

6611—Barley Mill; manufactured by the Exhibitors. Price £6.

Stand No. 284.—*Charles Portway, of Halstead, Essex.*

Article 6612—(*New Stove.*)—Portable Patent Slow-Combustion "Tortoise" Heating Stove, Complete with Pans and Pipe; manufactured by the Exhibitor. Price £2 6s. 6d. Adapted for moving from room to room in mansions and private houses, for the purpose of keeping furniture, bedding, &c., aired and ready for use at any time. Will burn 24 hours with 2 replenishings. Burns coke and cinders at a cost of about 2d.

6613—Patent Slow-Combustion "Tortoise" Heating Stove with Pan, No. 2; manufactured by the Exhibitor. Price £1 14s. Suitable for bedrooms, small halls, billiard rooms, &c.; will burn 6 to 10 hours without attention at a cost of less than 3d. for 24 hours; heating capacity equal to about 6,000 cubic feet. Construction—cast and sheet-iron with fire-tile lining and hearth. Fuel—coke, cinders, or refuse fuel.

6614—Patent Slow-Combustion "Tortoise" Heating Stove with Pan, No. 3; manufactured by the Exhibitor. Price £2 10s. Suitable for halls, greenhouses, conservatories, &c. Will burn 12 to 20 hours without attention at a cost of 3d. Heating capacity equal to about 10,000 cubic feet. Construction—cast and sheet-iron, with fire-tile lining and hearth. Fuel—coke, cinders, or refuse fuel.

6615—Patent Slow-Combustion "Tortoise" Heating Stove, with Pan, No. 4; manufactured by the Exhibitor. Price £3 6s. Suitable for halls, churches, chapels, or any other building requiring continuous heat with but little attention and great cleanliness. Will burn from 15 to 30 hours without attention, at a cost of 6d.; heating capacity equal to about 15,000 cubic feet. Construction—cast and sheet-iron with fire-tile lining and hearth.

6616—Patent "Tortoise" Laundry Stove (Small Size); manufactured by the Exhibitor. Price 15s. Will heat 7 flat or sad irons simultaneously, very suitable for families for this purpose; also for heating a kettle or saucepan, so sparing necessity for fire in kitchen in the summer, when no cooking is required. Construction—cast and sheet-iron with fire-tile lining and hearth. Fuel—small coke and cinders.

6617—Patent "Tortoise" Laundry Stove (Middle Size); manufactured by the Exhibitor. Price £1 10s. Will heat 14 flat irons simultaneously; adapted for families; very economical; will burn several hours without attention. Construction—cast and sheet-iron, with fire-tile lining and hearth. Fuel—coke and cinders.

6618—Patent "Tortoise" Laundry Stove (Large Size); manufactured by the Exhibitor. Price £2 5s. Will heat 22 flat irons simultaneously; adapted for laundries, hotels, and mansions; requires but little attention; is very clean and free from dust; will burn for many hours. Construction—cast and sheet-iron with fire-tile lining and hearth. Fuel—coke, cinders, and refuse fuel.

6619—Patent Slow-Combustion "Tortoise" Heating Stove, No. 5; manufactured by the Exhibitor. Price £4 10s. Very powerful, suitable for churches, chapels, mansions, &c., requiring great and steady heat with very little attention, and freedom from dust and dirt. Will burn from 20 to 40 hours without attention, at a cost of 9d.; heating capacity equal to about 25,000 cubic feet.

6620 to 6722—Disqualified.

Stand No. 285.—*Davies and Sneade, of Charters Street, Vauxhall Road, Liverpool.*

Article 6723—(*New Implement.*)—Pair of 4-Ft. French Burr Millstones; manufactured by the Exhibitors. Price £35 per pair. Built on a new and improved principle, without joints on the working face of the stone with an improved dress for high grinding and granulating, and turned perfectly true with a diamond millstone lathe. (*For Trial.*)

6724—Derbyshire Peak Rice Millstone; manufactured by the Exhibitors. Price £16 per pair. For shelling and cleaning rice, and for grinding provender. Selected from our own quarries, and of the best quality.

6725—Rolls for Crushing Linseed (Rowlandson and Brittain's Patent); manufactured by W. Rowlandson for the Exhibitors. Price £210 each set. This machine consists of a large central roller, on the circumference of which run four smaller rollers, kept in their places by springs. Each roll can be taken out separately. They cause no vibration, are made of best quality chilled cast iron, and will roll $4\frac{1}{2}$ qrs. of linseed per hour.

6726—Chilled Iron Middling Roller (Rowlandson's); manufactured by W. Rowlandson for the Exhibitors. Price £50 per set. Made of chilled iron. Diameter of rollers 14 in.; length of rollers 2 ft. 1 in. Erected upon a suitable frame, and work well.

6727—Centrifugal Grain Drier (Rowlandson's); manufactured by W. Rowlandson for the Exhibitors. Improved, for drying grain after washing without stoving. It consists of a wire cone working horizontally in a cast-iron box; will dry 40 sacks per hour. The grain will be sufficiently dry for storage or shipment.

Stand No. 286.—*William Parnall and Company, of 106 and 108, Victoria Street, Bristol.*

Article 6728—30-lb. to 45-lb. Mixing Machine; manufactured by the Exhibitors. Price £5 10s.

6729—60-lb. to 80-lb. Mixing Machine; manufactured by the Exhibitors. Price £8 10s.

6730—120-lb. to 150-lb. Mixing Machine; manufactured by the Exhibitors. Price £15 10s.

6731—300-lb. to 400-lb. Mixing Machine; manufactured by the Exhibitors. Price £35.

6732—700-lb. to 1000-lb. Mixing Machine; manufactured by the Exhibitors. Price £68.

6733—2-Cwt. Sack Weighing Machine; manufactured by the Exhibitors. Price £2.

6734—3-Cwt. Sack Weighing Machine; manufactured by the Exhibitors. Price £2 10s.

6735—4-Cwt. Sack Weighing Machine; manufactured by the Exhibitors. Price £4 2s. 6d.

6736—4-Cwt. Sack Weighing Machine; manufactured by the Exhibitors. Price £4 5s.

6737—7 Oil Cake and Sack Trucks, Various Sizes; manufactured by the Exhibitors. Price from 12s. 6d. to £1 18s.

Stand No. 287.—*John Bartlett and Son, of Welsh Back, Bristol.*

Article 6738—Bartlett's Patent "Weight-at-a-Glance" Agricultural Cart Weighing Machine; manufactured by the Exhibitors. Price £21. In self-contained iron frame, to weigh 3 tons.

6739—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £25. To weigh 21 cwt. without loose weights; for agricultural, railway and general purposes; may be had with movable enclosure for weighing cattle, at an extra cost.

6740—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £18. With patented gear for relieving without injury to or disturbing the horizontal position of steel-yard. To weigh 21 cwt. without loose weights.

6741—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £12. Fitted with patented improvements as above. To weigh 12½ cwt. without loose weights.

6742—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £16. Self-contained in iron frame to let flush in the floor. To weigh 17 cwt. without loose weights.

6743—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £5 15s. With indicating rod. Invented and patented by J. Bartlett, giving the weight without computation at a glance. To weigh 5 cwt.

6744—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £7 16s. With indicating rod, &c., as above. To weigh 10 cwt.

6745—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £10 12s. 6d. With indicating rod, &c., as above. To weigh 16 cwt.

6746—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £12 5s. With indicating rod, &c., as above. To weigh 20 cwt.

6747—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £4 10s. With ornamental back; for agricultural and general purposes. To weigh 5 cwt.

6748—Bartlett's Patent "Weight-at-a-Glance" Weighing Machine; manufactured by the Exhibitors. Price £4 10s. With wrought-iron back; for agricultural and general purposes. To weigh 4 cwt.

6749—Platform Weighing Machine; manufactured by the Exhibitors. Price £4 5s. With ornamental cast-iron back for sacks, &c. To weigh 4 cwt.

6750—Platform Weighing Machine; manufactured by the Exhibitors. Price £6. For agricultural purposes; fitted with sheep pen, which can be removed when required, and the machine used in the ordinary way. To weigh 4 cwt.

6751—Personal Weighing Machine; manufactured by the Exhibitors. Price £6 10s. With dial to indicate the weight in stones and pounds.

6752—Low Portable Corn Weighing Machine; manufactured by the Exhibitors. Price £2 10s. For sacks and general purposes. To weigh 3 cwt.

6753—Low Portable Corn Weighing Machine; manufactured by the Exhibitors. Price £3 10s. Extra strength; to weigh 4 cwt.

6754—Low Portable Corn Weighing Machine; manufactured by the Exhibitors. Price £3 5s. For sacks and general purposes, with iron plates instead of boards; to weigh 3 cwt.

6755—Low Portable Corn Weighing Machine; manufactured by the Exhibitors. Price £4 10s. Extra strength, with iron plates instead of boards; to weigh 4 cwt.

6756—Single Sack Weighing Machine; manufactured by the Exhibitors. Price £3 10s.

6757—Weighing Machine; manufactured by the Exhibitors. Price £3 10s. Fitted with iron scoop scale to tilt into baskets, bags, &c.; to weigh 1 cwt.

6758—Weighing Machine; manufactured by the Exhibitors. Price £4 5s. Fitted with iron scoop scale to tilt into baskets, bags, &c.; to weigh 2 cwt.

6759—Sack Truck, Wood; manufactured by the Exhibitors. Price 18s.

6760—Assortment of Counter Weighing Machines, Balances, &c.; manufactured by the Exhibitors. Price from 5s. to £10.

Stand No. 288.—*Charles Clay, of the Stennard Works, Wakefield, Yorkshire.*

Article 6761—Clay's Patent Royal Agricultural Society's First Prize Cultivator; manufactured by the Exhibitor. Price £7 15s. All the First Prizes at the last Trials of the Royal Society were awarded to Clay's Cultivators and Broadshares. For light land, with 5 tines; for 2 horses.

6762—Patent R. A. S. E. First Prize Cultivator; manufactured by the Exhibitor. Price £8 10s. For 2 or 3 horses; with 5 tines; width 3 ft. 6 in.

6763—Patent R. A. S. E. First Prize Cultivator; manufactured by the Exhibitor. Price £10 15s. Similar to last article, but with levers for regulating depth of work, and patent catch.

6764—Patent R. A. S. E. First Prize Cultivator and Broadshare; manufactured by the Exhibitor. Price £12. For general purposes, the most useful size, with 7 tines; 4 ft. 6 in. wide; for 3 or 4 horses.

6765—Patent R. A. S. E. First Prize Cultivator and Broadshare; manufactured by the Exhibitor. Price £13 10s. Similar to last article, with levers to wheels for regulating depth of work.

6766—Patent First Prize Cultivator and Scuffle Harrow; manufactured by the Exhibitor. Price £9 9s. Fitted with 9 drag teeth; 5 ft. wide. The Yorkshire Society's First Prize drag harrow; for 2 horses.

6767—Patent Chisel Harrow Cultivator; manufactured by the Exhibitor. Price £13 13s. Constructed on the same principle as the cultivators, but with four revolving bars; fitted with 25 tines and loose points; 6 ft. wide; for 3 horses. This implement has been out only two years, but is now well established as a standard article.

6768—Patent Chisel Harrow Cultivator; manufactured by the Exhibitor. Price £9. Similar to last article, but fitted with 17 wrought-iron teeth; 4 ft. 6 in. wide; for 2 or 3 horses.

6769—Patent Chisel Harrow Cultivator; manufactured by the

Exhibitor. Price £10 10s. Similar to last article, but fitted with 17 tines and loose points; for strong land.

6770—Improved Chisel Harrow; manufactured by the Exhibitor. Price £5 10s. With rigid framework and 30 teeth; 6 ft. 6 in. wide; for 3 horses.

6771—Patent Expanding Horse Hoe; manufactured by the Exhibitor. Price £3 10s.; chain harrow and 3 grubbers, 15s. extra. The width of cut is easily altered during progress of the horse.

6772—Improved Horse Hoe; manufactured by the Exhibitor. Price £2 2s. 6d. Fitted with 3 steel blades and loose steel points; a cheap and efficient implement.

6773—Improved Norwegian Harrow; manufactured by the Exhibitor. Price £12 12s. Width, 5 ft.; with 3 rows of stars; worked by 8 horses. An old favourite implement, much improved and reduced in draught.

Stand No. 289.—*Henry Pooley and Son, of the Albion Foundry, Liverpool; and 89, Fleet Street, London, E.C.*

Article 6774—(*New Implement.*)—Patent Self-Contained and Self-Indicating Weighbridge; manufactured by the Exhibitors. Price £127 10s., not including desk. 14 ft. long, fitted with steel rails, 4 ft. 8½ in. gauge; to weigh up to 18 tons. Fitted with new patent self-indicating apparatus, showing the weight on the platform at a glance. (*For Trial.*)

6775—(*New Implement.*)—Patent Portable Platform Weighing Machine; manufactured by the Exhibitors. Price £24. 3 ft. by 2 ft.; to weigh from 1 lb. to 1000 lbs.; for weighing bags and bales in granaries, warehouses, &c. This machine has no loose weights, and is made to fold up without being taken asunder, all parts being retained in position by novel arrangement while slung from floor to floor. (*For Trial.*)

6776—(*New Implement.*)—Patent Portable Sack Weighing Machine; manufactured by the Exhibitors. Price £5. 1 ft. 8 in. by 1 ft. 8 in.; to weigh up to 4 cwt. A cheap and simple sack machine for farmers, &c. (*For Trial.*)

6777—(*New Implement.*)—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £11 15s. 2 ft. 6 in. by 2 ft. 6 in.; to weigh up to 10 cwt. Fitted with new patent polygraded steelyard, showing three various kinds of weights on one graduated bar. May be graduated to weights of different countries, or cwt., centals, stones, &c. (*For Trial.*)

6778—(*New Implement.*)—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £11 10s. 2 ft. 6 in. by 2 ft. 6 in.; to weigh up to 10 cwt. Fitted with new arrangement of double steelyard. (*For Trial.*)

6779—Patent Self-Contained Road Weighbridge; manufactured by the Exhibitors. Price £31 5s. 6 ft. by 4 ft.; to weigh up to 3 tons; easily fixed, requires no masonry and no loose weights; specially designed for farm purposes.

6780—Patent Self-Contained Road Weighbridge; manufactured by the Exhibitors. Price £49 10s. 7 ft. by 5 ft.; to weigh up to 5 tons; requires no masonry, for weighing carts, &c.

6781—Patent Road Weighbridge; manufactured by the Exhibi-

tors. Price £42. 13 ft. by 8 ft.; to weigh up to 5 tons. A very cheap and portable weighbridge for colonial farmers and planters; will weigh a bullock, waggon of hay, or other farm or colonial produce.

6782—Patent Self-Contained Road Weighbridge; manufactured by the Exhibitors. Price £92. 12 ft. by 7 ft.; to weigh up to 12 tons. Fitted with patent steelyard, requiring no loose weights; will take a large waggon or two-wheeled cart and horse.

6783—Patent Relieving Head, with New Patent Steelyard; manufactured by the Exhibitors. May be attached to any weighbridge to facilitate rapid weighing, at cost varying with capacity.

6784—Patent Self-Contained Platform Weighing Machine; manufactured by the Exhibitors. Price £17 13s. 4 ft. by 3 ft.; to sink flush with the floor, and weigh from 1 lb. to 42 cwt.

6785—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £17 15s. 3 ft. 8 in. by 3 ft. 2 in.; to weigh up to 32 cwt.; with rack for weighing bars, &c.

6786—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £16 5s. 3 ft. by 2 ft. 6 in.; to weigh up to 22 cwt. Very strong for rough usage; mounted on wheels. The front wheel swivels for convenience in moving about.

6787—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £10 10s. 3 ft. by 2 ft. 8 in.; to weigh up to 12 cwt.; with wheel track and inclined plane; holders for weighing wheelbarrows.

6788—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £10 6s. 2 ft. 9 in. by 2 ft. 5 in.; to weigh up to 15 cwt.; on wheels.

6789—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £8. 2 ft. 6 in. by 2 ft. 6 in.; to weigh up to 10 cwt.

6790—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £12 12s. 2 ft. 6 in. by 2 ft. 6 in.; to weigh up to 10 cwt. Fitted with improved patent steelyard, requiring no loose weights, and improved relieving apparatus.

6791—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £9. 3 ft. 4 in. by 2 ft. 6 in.; to weigh up to 10 cwt.; with back frame for weighing wool, &c.

6792—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £5 10s. 1 ft. 8 in. by 1 ft. 8 in.; to weigh up to 4 cwt. Fitted with back frame.

6793—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £10 10s. 2 ft. by 2 ft.; to weigh up to 5 cwt. Fitted with patent steelyard, requiring no loose weights.

6794—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £5 5s. 2 ft. by 2 ft., with ordinary steelyard; to weigh from $\frac{1}{4}$ lb. to 5 cwt.

6795—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £6 5s. 1 ft. 8 in. by 1 ft. 8 in.; to weigh up to 4 cwt. Fitted with folding cradle to weigh wool, &c.

6796—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £13 5s. 2 ft. 2 in. by 2 ft. 2 in.; to weigh up to 5 cwt. Fitted with dial indicator, showing weight on the platform at a glance.

6797—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £4 5s. 14 in. by 14 in.; to weigh from 1 oz. up to 2 cwt.

6798—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £3 19s. 13 in. by 13 in.; to weigh from 1 oz. up to 1 cwt.

6799—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £38. 6 ft. by 4 ft.; to weigh up to 20 cwt.; fitted with patent steelyard, improved head, &c., and chequered platform to prevent slipping.

6800—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £19 10s. 7 ft. by 3 ft. 3 in.; to weigh up to 15 cwt.; fitted with pen and gates for weighing cattle.

6801—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £11 15s. 4 ft. by 2 ft. 8 in.; to weigh up to 10 cwt.; with pen for weighing sheep and pigs.

6802—Proportional Counter Scale; manufactured by the Exhibitors. Price £2 2s. To weigh up to 28 lbs. by ounces; fitted with earthenware plate for dairy or kitchen use.

6803—Portable Sack Scale; manufactured by the Exhibitors. Price £3 18s. 1 ft. 8 in. by 1 ft. 4 in.; to weigh up to 3 cwt.

6804—Portable Sack Scale; manufactured by the Exhibitors. Price £5. 1 ft. 9 in. by 1 ft. 3 in.; to weigh up to 3 cwt.

6805—Portable Sack Scale; manufactured by the Exhibitors. Price £7 12s. 2 ft. by 1 ft. 7 in.; to weigh up to 5 cwt.

6806—Scale Beam and Trolley; manufactured by the Exhibitors. Price £22. 40-in. beam on strong trolley, with wheels and swivel for weighing corn in sacks and barrels.

6807—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £14 14s. 2 ft. 6 in. by 2 ft. 6 in.; to weigh up to 10 cwt., with complete balance; no loose weights.

6808—Patent Dial Weighing Machine; manufactured by the Exhibitors. Price £1 13s. With strong scale; to weigh up to 28 lbs.

6809—Patent Dial Weighing Machine; manufactured by the Exhibitors. Price £1 11s. With hooks; to weigh up to 56 lbs.

6810—Patent Dial Weighing Machine; manufactured by the Exhibitors. Price £2 8s. With mahogany scale; to weigh up to 112 lbs.

6811—Patent Dial Weighing Machine; manufactured by the Exhibitors. Price £6. In 18-in. iron case; extra strong for rough usage; to weigh up to 10 cwt.

6812—Patent Dial Weighing Machine; manufactured by the Exhibitors. Price £7. In 24-in. iron case; extra strong for rough usage.

6813—Patent Dial Seat Machine, in Carved Oak Frame; manufactured by the Exhibitors. Price £16 16s.

6814—Patent Steelyard Seat Machine, in Mahogany Frame; manufactured by the Exhibitors. Price £14 14s.

6815—Model Patent Automatic Grain Scale; manufactured by the Exhibitors.

6816—Model (to Show Fixing) Patent Self-Contained Weighbridge; manufactured by the Exhibitors.

6817—Patent Self-Contained Weighbridge; manufactured by the Exhibitors. Price £24 5s. 6 ft. by 3 ft.; to weigh carts up to 2 tons; also fitted with posts and chains, forming pen for weighing cattle, sheep, pigs, &c.

Stand No. 290.—*W. and T. Avery, of Digbeth, Birmingham.*

Article 6818—Patent Self-Contained Railway Weighbridge; manufactured by the Exhibitors. Price £100. Platform, 14 ft. by 6 ft. 6 in.;

capacity, 30 tons; fitted with new steelyard, which dispenses with all loose weights.

6819—Patent Self-Contained Road Weighbridge; manufactured by the Exhibitors. Price £25 10s. Capacity, 3 tons; platform, 6ft. by 3 ft.; fitted with posts and chains, which form a pen for weighing oxen, sheep, pigs, two-wheeled carts, and general farm-yard purposes.

6820—Patent Self-Contained Cart Weighing Machine; manufactured by the Exhibitors. Price £23. Capacity, 3 tons; platform, 6 ft. by 4 ft. 6 in.; with relieving apparatus.

6821—Patent Pit-Bank Weighing Machine; manufactured by the Exhibitors. Price £18. Capacity, 40 cwt.; platform, 4 ft. by 3 ft. 6 in.; fitted with taring arrangement.

6822—Patent Platform Railway Weighing Machine; manufactured by the Exhibitors. Price £35. Capacity, 25 cwt.; fitted with patent steelyard, which dispenses with the use of loose weights.

6823—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £11 5s. Capacity, 11 cwt.; for weighing pigs, calves, &c. This machine can be used with or without the pen.

6824—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £12 10s. Capacity, 22 cwt.; mounted on 3 wheels, the front one made to swivel, to facilitate removal from place to place, with drag-handle attached.

6825—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £14 10s. Capacity, 22 cwt. Mounted on 4 wheels; with wrought-iron rack for weighing bar-iron. This machine can be used with or without the rack.

6826—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £11. Capacity, 22 cwt.; adapted to sink level with the floor; for rolling casks on.

6827—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £8. Capacity, 11 cwt.; with extended platform and back-rail of wrought-iron; for weighing sheets and bags of wool, or other bulky articles.

6828—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £9. Capacity, 8 cwt. For weighing hides and skins.

6829—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £5 10s. Capacity, 6 cwt.; with 2 folding wings; for weighing bales of wool, leather, rags, &c.

6830—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £3 18s. Capacity, 4 cwt. Mounted on wheels.

6831—Patent Platform Weighing Machine; manufactured by the Exhibitors. Price £4. Capacity, 3 cwt. Mounted on wheels; with wrought-iron back-rail; for sacks, bales, &c.

6832—Avery's Patent Personal Weighing Machine; manufactured by the Exhibitors. Price £13. Capacity, 32 stone. Fitted in handsome mahogany case; extra finished chair, and standard, for taking the height of persons.

6833—Avery's Patent Personal Weighing Machine; manufactured by the Exhibitors. Price £6. Capacity, 32 stone; well-finished chair and standard for taking the height of persons.

6834—Patent Platform Counter Weighing Machine; manufactured by the Exhibitors. Price £3. Capacity, 1 oz. to 2 cwt.

6835—Patent Platform Counter Weighing Machine; manufactured by the Exhibitors. Price £3 5s. Capacity, 1 oz. to 1 cwt.

6836—Avery's Union Combined Platform Counter Weighing Machine; manufactured by the Exhibitors. Price £3 10s. Capacity, $\frac{1}{4}$ oz. to 248 lbs.

6837—Avery's New Pattern Patent Platform Colonial Weighing Machine; manufactured by the Exhibitors. Price £3. Capacity, 4 cwt. Specially adapted for the colonies, where much strength and lightness are required. Can be graduated to any standard.

6838—Avery's New Pattern Patent Platform Colonial Weighing Machine; manufactured by the Exhibitors. Price £4 10s. Capacity, 7 cwt. Mounted on wheels; enclosed in framing of box. Can be graduated to any standard.

6839—Avery's New Pattern Patent Platform Colonial Machine; manufactured by the Exhibitors. Price £5 10s. Capacity, 11 cwt. Mounted on wheels; enclosed in framing of box. Can be graduated to any standard.

6840—Avery's New Pattern Patent Platform Colonial Machine; manufactured by the Exhibitors. Price £4 5s. Capacity, 4 cwt., with strong wrought-iron back-rail for weighing sacks, &c; galvanized. Can be graduated to any standard.

6841—Avery's New Pattern Patent Platform Colonial Machine; manufactured by the Exhibitors. Price £4 15s. Capacity, 7 cwt.; with strong wrought-iron back-rail for weighing sacks, &c. Can be graduated to any standard.

6842—Avery's New Pattern Patent Platform Colonial Machine; manufactured by the Exhibitors. Price £5 15s. Capacity, 11 cwt.; with strong wrought-iron back-rail for weighing sacks, &c. Can be graduated to any standard.

6843—Portable Weighing Machine, with Back, No. 547; manufactured by the Exhibitors. Price £2 4s. Capacity, 2 cwt.

6844—Strong Weighing Machine, to Weigh Top and Bottom, for Flour and Corn, No. 548; manufactured by the Exhibitors. Price £4 15s. Capacity, 4 cwt.

6845—Single-Table Weighing Machine, No. 549; manufactured by the Exhibitors. Price £3 5s. Capacity, 3 cwt.

6846—Very Strong Table Weighing Machine, No. 550, with Very Strong Wooden Frame; manufactured by the Exhibitors. Price £4 15s. Capacity, 5 cwt. Suitable for fishmongers, fruiterers, &c.

6847—Weighing Machine, No. 553; manufactured by the Exhibitors. Price £2. Capacity, 2 cwt.

6848—Weighing Machine, No. 554; manufactured by the Exhibitors. Price £2 15s. Capacity, 3 cwt.; with iron plates for sacks and general purposes.

6849—Weighing Machine, No. 554; manufactured by the Exhibitors. Price £3. Capacity, 4 cwt; for weighing sacks, and general purposes.

6850—Weighing Machine, No. 554 B; manufactured by the Exhibitors. Price £3 5s. Capacity, 4 cwt.; for sacks and general purposes.

6851—Weighing Machine, No. 555; manufactured by the Exhibitors. Price £11. Capacity, 10 cwt.; with folding wings, for weighing bales of wool, cotton, leather, and other bulky goods.

6852—Small Portable Weighing Machine, with Iron Frame and Plates, No. 435; manufactured by the Exhibitors. Price £1 10s. Capacity, 2 cwt.

6853—Small Portable Weighing Machine, with Wood Frame and Scales, No. 434; manufactured by the Exhibitors. Price £1 10s. Capacity, 2 cwt.

6854—Small Portable Wooden Contracting Weighing Machine, No. 961; manufactured by the Exhibitors. Price £3. Capacity, 2 cwt. Specially adapted for coal waggons.

6855—Portable Iron Contracting Weighing Machine, No. 964; manufactured by the Exhibitors. Price £3. Capacity, 3 cwt. For weighing coal and other articles.

6856—Portable Iron Contracting Weighing Machine, No. 964 n; manufactured by the Exhibitors. Price £3. Capacity, 3 cwt. For weighing coal and other articles.

6857—New Pattern Portable Machine, No. 971; manufactured by the Exhibitors. Price £6. Capacity, 2 cwt.; for weighing coal, &c.

6858—Eighteen Assorted Sizes and Various Descriptions of Counter Weighing Machines; manufactured by the Exhibitors. Price from 9s. 6d. to £8 10s.

6859—Three Assorted Sizes Highly-Finished Imperial Counter Weighing Machines; manufactured by the Exhibitors. Price from £1 10s. to £8 8s.

6860—Twelve Assorted Sizes and Various Descriptions of Highly-Finished Steelyards; manufactured by the Exhibitors. Price from 16s. to £5 5s. For butchers' use.

6861—Six Assorted Counter-Beams, Agate Bearings; manufactured by the Exhibitors. Price from £1 5s. to £8.

6862—Six Assorted Sizes and Various-Made Weigh-Beams; manufactured by the Exhibitors. Price from £1 to £15.

6863—Pair of Millers' and Corn Merchants' Scales, with Very Superior Beam; manufactured by the Exhibitors. Price £9.

6864—Pair of Suspended Scales, No. 573, to Weigh 5 Cwt., with Very Superior Beam; manufactured by the Exhibitors. Price £7 10s.

6865—Eighteen Pairs of Assorted Sizes, and Various-Made Patent Scales, Agate Bearings; manufactured by the Exhibitors. Price from £1 9s. to £15.

6866—Twelve Pairs of Jewellers' and Chemists' Scales, Assorted Sizes, and Various Make; manufactured by the Exhibitors. Price from 7s. 6d. to £7 14s.

6867—Two Pairs of Diamond Scales; manufactured by the Exhibitors. Price £1 7s. and £5 5s. each.

6868—Six Assorted Letter Balances; manufactured by the Exhibitors. Price from 15s. to £6.

6869—Ten Sets of Assorted Weights; manufactured by the Exhibitors. Price from 3s. 6d. to £8 8s. per set.

Stand No. 291.—*Richard Lingard and Co., of 89, Peacroft, Sheffield.*

Article 6870—Pruning Knife; manufactured by the Exhibitors. Price 2s. 6d. Buckhorn handle and best steel.

6871—Assortments of Scythes; manufactured by the Exhibitors. Price 5s. 6d. Wood handles, part steel and iron.

6872—Patent Scythe and Shear Sharpener; manufactured by the Exhibitors. Price 2s. 6d. Steel, with iron castings.

6873—Assortment of Sheep Shears; manufactured by the Exhibitors. Price 4s. 6d. Steel and iron; superior quality and finish.

6874—Assortment of Gardener's Scissors; manufactured by the Exhibitors. Price 1s. 6d. Various sizes, and improved handles, and best quality of steel.

Stand No. 292.—*David Hart and Co., of the North London Iron Works, Wenlock Road, London, N.*

Article 6875—Self-Indicating Weighing Machine, without Loose Weights, for Weighing Sheep, Pigs, Calves, &c.; manufactured by the Exhibitors. Price £14 15s.; wheels and axles, 18s. to £1 16s. extra. Weighs up to 6½ cwt.

6876—Similar Machine to the Foregoing, but Adjusted to Decimal Weights; manufactured by the Exhibitors. Price £14 15s.; wheels and axles, 18s. to £1 16s. extra. Weighs up to 700 lbs.

6877—Self-Indicating Cart Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £42 10s.; if arranged for weighing cattle and carts, £51. Weighs up to 3 tons. Can be arranged for weighing cattle also.

6878—Self-Indicating Portable Weighing Machine, without Loose Weights, for Weighing Sacks of Corn, &c.; manufactured by the Exhibitors. Price £7 15s.; without back railing, £7; wheels and axles, 14s. to £1 8s. extra. Weighs up to 3¼ cwt.

6879—Self-Indicating Portable Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £9; wheels and axles, 14s. to £1 8s. extra. Weighs up to 3¼ cwt. With a long platform and back railing.

6880—Self-Indicating Portable Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £8; wheels and axles, 14s. to £1 8s. extra; back railing for weighing sacks, 15s. extra. Weighs up to 4½ cwt.

6881—Self-Indicating Portable Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £10; wheels and axles, 18s. to £1 16s. extra; back railing for sacks, 17s. 6d. extra. Weighs up to 6½ cwt.

6882—Self-Indicating Portable Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £12 5s.; wheels and axles, 18s. to £1 16s. extra. Suitable for weighing trusses of hay or straw, wool, roots, &c. Weighs up to 6½ cwt.

6883—Self-Indicating Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £15 10s. For weighing carcasses of sheep, pigs, &c.

6884—Self-Indicating Portable Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £12 5s.; wheels and axles, £1 1s. to £2 2s. extra. Weighs up to 10½ cwt.

6885—Self-Indicating Portable Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £14 15s.; wheels and axles, £1 1s. to £2 2s. extra. Suitable for weighing trusses of hay or straw, wools, roots, &c. Weighs up to 10½ cwt.

6886—Self-Indicating Dormant Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £13 5s. Weighs up to 10½ cwt.

6887—Self-Indicating Dormant Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £19 10s. Weighs up to 21 cwt.

6888—Self-Indicating Portable Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £18 10s.; wheels and axles, £1 6s. to £2 12s. extra. Weighs up to 21 cwt.

6889—Self-Indicating Dormant Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £21 10s. Weighs up to 25 cwt.

6890—Self-Indicating Portable Weighing Machine, without Loose Weights; manufactured by the Exhibitors. Price £20 10s.; wheels and axles, £1 10s. to £3 extra. Weighs up to 25 cwt.

6891—Patent Steam Pump; manufactured by the Exhibitors. Price £14. To pump 350 gallons per hour. (*See Machines in Motion.*)

6892—Patent Steam Pump; manufactured by the Exhibitors. Price £18 10s. To pump 900 gallons per hour. (*See Machines in Motion.*)

6893—Patent Steam Pump; manufactured by the Exhibitors. Price £22. To pump 1,200 gallons per hour. (*See Machines in Motion.*)

6894—Patent Steam Pump; manufactured by the Exhibitors. Price £30. To pump 1,800 gallons per hour. (*See Machines in Motion.*)

6895—Patent Steam Pump; manufactured by the Exhibitors. Price £31. To pump 3,100 gallons per hour. (*See Machines in Motion.*)

6896—Patent Steam Pump; manufactured by the Exhibitors. Price £45. To pump 4,000 gallons per hour. (*See Machines in Motion.*)

Stand No. 293.—*The Pulsometer Engineering Co. (Limited), of 61 and 63, Queen Victoria Street, London, E.C.; Works, Battersea.*

Article 6897—Pulsometer Steam Pump, No. 10; manufactured by the Exhibitors. Price £150. This pump is capable of delivering 52,000 gallons of water per hour. It is suitable for sewage, irrigation, drainage, &c.

6898—Pulsometer Steam Pump, No. 9, Fitted with India-Rubber Faced Clack Valves; manufactured by the Exhibitors. Price £120. This pump is capable of delivering 36,000 gallons of water per hour.

6899—Pulsometer Steam Pump, No. 9, Fitted with Grid Valves; manufactured by the Exhibitors. Price £120. This pump is capable of delivering 36,000 gallons of water per hour.

6900—Pulsometer Steam Pump, No. 8, Fitted with India-Rubber Faced Clack Valves; manufactured by the Exhibitors. Price £100. This pump is capable of delivering 26,000 gallons of water per hour.

6901—Pulsometer Steam Pump, No. 8, Fitted with Grid Valves; manufactured by the Exhibitors. Price £100. This pump is capable of delivering 26,000 gallons of water per hour.

6902—Pulsometer Steam Pump, No. 7, Fitted with India-Rubber Faced Clack Valves; manufactured by the Exhibitors. Price £70. This pump is capable of delivering 17,000 gallons of water per hour.

6903—Pulsometer Steam Pump, No. 7, Fitted with Grid Valves; manufactured by the Exhibitors. Price £70. This pump is capable of delivering 17,000 gallons of water per hour.

6904—Pulsometer Steam Pump, No. 6, Fitted with India-Rubber Faced Clack Valves; manufactured by the Exhibitors. Price £55. This pump is capable of delivering 13,200 gallons of water per hour.

6905—Pulsometer Steam Pump, No. 6, Fitted with Grid Valves; manufactured by the Exhibitors. Price £55. This pump is capable of delivering 13,200 gallons of water per hour.

6906—Pulsometer Steam Pump, No. 5, Fitted with India-Rubber Faced Clack Valves; manufactured by the Exhibitors. Price £45. This pump is capable of delivering 9,000 gallons of water per hour.

6907—Pulsometer Steam Pump, No. 5, Fitted with Grid Valves; manufactured by the Exhibitors. Price £45. This pump is capable of delivering 9,000 gallons of water per hour.

6908—Pulsometer Steam Pump, No. 4, Fitted with India-Rubber Faced Clack Valves; manufactured by the Exhibitors. Price £35. This pump is capable of delivering 5,000 gallons of water per hour.

6909—Pulsometer Steam Pump, No. 4, Fitted with Grid Valves; manufactured by the Exhibitors. Price £35. This pump is capable of delivering 5,000 gallons of water per hour.

6910—Pulsometer Steam Pump, No. 3, Fitted with India-Rubber Faced Clack Valves; manufactured by the Exhibitors. Price £26. This pump is capable of delivering 3,800 gallons of water per hour.

6911—Pulsometer Steam Pump, No. 3, Fitted with Grid Valves; manufactured by the Exhibitors. Price £26. This pump is capable of delivering 3,800 gallons of water per hour.

6912—Pulsometer Steam Pump, No. 2, with Gun Metal Check Valves; manufactured by the Exhibitors. Price £20. This pump is capable of delivering 2,000 gallons of water per hour.

6913—Pulsometer Steam Pump, No. 2, with Grid Valves; manufactured by the Exhibitors. Price £20. This pump is capable of delivering 2,000 gallons of water per hour.

6914—Pulsometer Steam Pump, No. 1, with Gun Metal Check Valves; manufactured by the Exhibitors. Price £10. This pump is capable of delivering 600 gallons of water per hour.

6915—Pulsometer Steam Pump, No. 1, with Iron Check Valves for Chemicals; manufactured by the Exhibitors. Price £10. This pump is capable of delivering 600 gallons of water per hour.

6916—“Hydrotrophe” Boiler Feeder (Heck’s Patent), No. 1 Size; manufactured by the Exhibitors. Price £8. This feeder works continuously without attention; it can be regulated to feed a large or small quantity of water as required; it will fully supply a 10-horse power boiler.

6917—“Hydrotrophe” Boiler Feeder (Heck’s Patent), No. 2 Size; manufactured by the Exhibitors. Price £10. This feeder is suitable for a 15-horse power boiler.

6918—"Hydrotrophe" Boiler Feeder (Heck's Patent), No. 3 Size; manufactured by the Exhibitors. Price £13. This feeder is suitable for a 35-horse power boiler.

6919—"Hydrotrophe" Boiler Feeder (Heck's Patent), No. 4 Size; manufactured by the Exhibitors. Price £18. This feeder is suitable for a 60-horse power boiler.

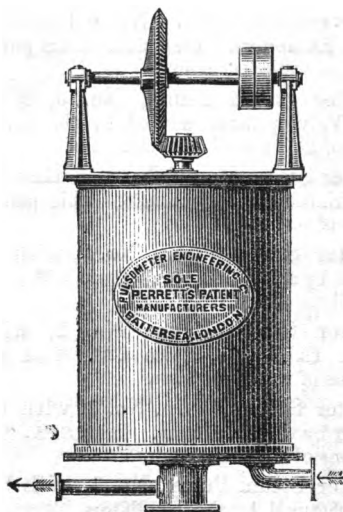
6920—"Hydrotrophe" Boiler Feeder (Heck's Patent), No. 5 Size; manufactured by the Exhibitors. Price £22. This feeder is suitable for a 100-horse power boiler.

6921—6-Horse Power Vertical Boiler, with Cross Tubes in Fire Box; manufactured by the Exhibitors. Price £66. This boiler is complete with all furnace work and gun metal mountings; it will be tested to 100 lbs. per square inch, and to work at 50 lbs.

6922—A Column for Exhibiting Pulsometers, Tanks, Pipes, Fittings, &c.; manufactured by the Exhibitors. (*Not for Sale.*)

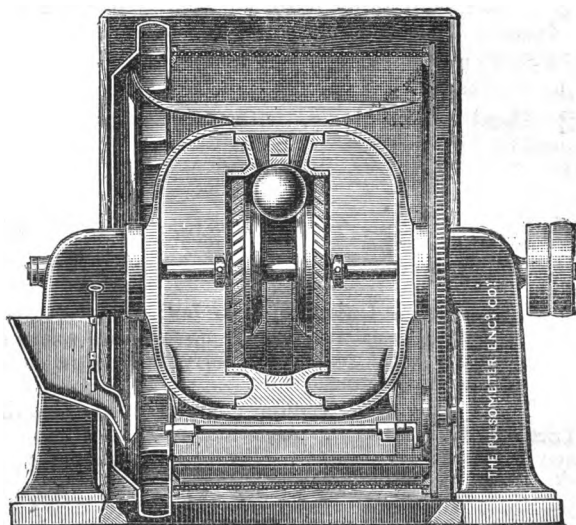
6923—6-Horse Power Portable Steam Engine; manufactured by Ransomes, Sims & Head, of Ipswich. Price £180. To be worked at 60 lbs. pressure per square inch.

6924—(*New Implement.*)—Direct Acting Steam Pump; manufactured by the Exhibitors. Price £45.



6925—(*New Implement.*)—Rotary Cleansing Filter (Perrett's Patent); manufactured by the Exhibitors. Price £50. Capable of filtering 2,000 to 3,000 gallons of muddy water per hour, so as to render it perfectly fit for manufacturing purposes, boiler feeding, swimming baths, &c. (*For Trial.*)

6926—(*New Implement.*)—Centrifugal Grinding and Sifting Mill, "The Comminutor" (Thompson's Patent); manufactured by the Exhibitors. Price £50. For pulverizing coprolite, phosphates, and other harder substances, and sifting them at the same operation to any required degree of fineness.



6927—(*New Implement.*)—Centrifugal Grinding and Sifting Mill, "The Comminutor" (Thompson's Patent); manufactured by Embleton, Mackenzie & Co., of Leeds. Price £160. (*For Trial.*)

6928—8-In. Foot-Valve, with India-Rubber Perreaux Valve; manufactured by the Exhibitors. Price £7 10s.

6929—6-In. Foot Valve, with India-Rubber Perreaux Valve; manufactured by the Exhibitors. Price £6.

6930—4-In. Foot Valve, with India-Rubber Perreaux Valve; manufactured by the Exhibitors. Price £3 10s.

6931—7-In. Back Pressure Valve; manufactured by the Exhibitors. Price £7.

6932—5-In. Back Pressure Valve; manufactured by the Exhibitors. Price £5 5s.

6933—3½-In. Back Pressure Valve; manufactured by the Exhibitors. Price £4.

6934—6-In. Foot Valve, with Grid Valve; manufactured by the Exhibitors. Price £6.

6935—4-In. Foot Valve, with Grid Valve; manufactured by the Exhibitors. Price £3 10s.

6936—3-In. Foot Valve, with Grid Valve; manufactured by the Exhibitors. Price £2 15s.

6937—6-In. Sluice Valve, with Gun-Metal Screw and Nut, and 4 Gun-Metal Faces; manufactured by the Exhibitors. Price £4 13s. 6d.

6938—4-In. Sluice Valve, with Gun-Metal Screw and Nut, and 4 Gun-Metal Faces; manufactured by the Exhibitors. Price £3 2s.

6939—3-In. Sluice Valve, with Gun-Metal Screw and Nut, and 4 Gun-Metal Faces; manufactured by the Exhibitors. Price £2 6s. 6d.

6940—Stand, containing Assorted Samples of “Union” Water-Pipe and Malleable Elbows; manufactured by the Exhibitors. Price £30.

6941—Sectional Model of Hydrotrophe Boiler Feeder; manufactured by the Exhibitors. Price £20.

6942—Hand Chain Pump, with 4-In. Diameter of Barrel; manufactured by the Exhibitors. Price £11 5s.

Stand No. 294.—*Thomson, Sterne and Company (Limited), of the Crown Iron Works, Glasgow.*

Article 6943—No. 2 Universal Grinder; manufactured by the Exhibitors. Price £18 10s. at Glasgow. A machine with countergear complete, and carrying two patent consolidated emery wheels 14 in. diameter. For dressing castings and grinding metal work.

6944—No. 3 Universal Grinder; manufactured by the Exhibitors. Price £22 10s. at Glasgow. A machine carrying two patent consolidated emery wheels 20 in. diameter. For dressing castings and grinding metal work.

6945—No. 4 Universal Grinder; manufactured by the Exhibitors. Price £65 10s. at Glasgow. A machine carrying two patent consolidated emery wheels 36 in. diameter. For dressing castings and grinding metal work.

6946—A Grinder; manufactured by the Exhibitors. Price £8 at Glasgow. A machine with countergear complete, carrying one patent consolidated emery wheel 8 in. diameter. For dressing castings and grinding metal work.

6947—B Grinder; manufactured by the Exhibitors. Price £9 at Glasgow. A machine with countergear complete, carrying one patent consolidated emery wheel 12 in. diameter. For grinding castings and grinding metal work.

6948—C Grinder; manufactured by the Exhibitors. Price £12 at Glasgow. A machine with countergear complete, carrying one patent consolidated emery wheel 16 in. diameter. For dressing castings and grinding metal work.

6949—D Grinder; manufactured by the Exhibitors. Price £15 10s. at Glasgow. A machine with countergear complete, carrying one patent consolidated emery wheel 20 in. diameter. For dressing castings and grinding metal work.

6950—Saw Sharpening Machine; manufactured by the Exhibitors. Price £28 at Glasgow. A machine with apparatus for grinding and gulleting both circular and straight saws, carrying one patent consolidated emery wheel 12 in. diameter.

6951—Wheel Tooth Cleaning Machine; manufactured by the Exhibitors. Price £61 at Glasgow. A machine specially designed to clean out the spaces between the teeth of spur wheels by means of a patent consolidated emery wheel. The machine can operate on two spur wheels at once.

6952—No. 2 Tool Grinder (Patented); manufactured by the Exhibitors. Price £23 10s. at Glasgow. A machine with countergear and centrifugal pump, carrying one patent consolidated emery wheel 20 in. diameter. For grinding and sharpening steel tools; a constant supply of

water is pumped from the cistern in the stand of the machine to the emery wheel.

6953—No. 3 Tool Grinder (Patented); manufactured by the Exhibitors. Price £46 10s. at Glasgow. A machine with centrifugal pump, carrying one patent consolidated emery wheel 36 in. diameter. For grinding and sharpening steel tools. A constant supply of water is pumped from the cistern in the stand of the machine to the emery wheel.

6954—No. 4 Tool Grinder (Patented); manufactured by the Exhibitors. Price £26 10s. at Glasgow. A machine with centrifugal pump and countergear complete, carrying six patent consolidated emery wheels. Specially designed for grinding, sharpening, and setting wood-cutting tools.

6955—General Shaping Machine; manufactured by the Exhibitors. Price £40 at Glasgow. This machine is designed to grind flat or grooved surfaces of metal, brick, stone, &c. The work to be operated upon is placed on cast-iron adjustable tables over two consolidated emery wheels that may be shaped to form grooves or mouldings.

6956—Horizontal Grinder; manufactured by the Exhibitors. Price £20 at Glasgow. This machine is intended for grinding flat surfaces, such as the faces of dies, and consists of a cast-iron frame with a horizontal emery wheel, carried on a vertical shaft running therein.

6957—No. 2 Knife-Grinding Machine; manufactured by the Exhibitors. Price £31 15s. at Glasgow. A machine carrying one patent consolidated emery wheel 20 in. diameter. For grinding automatically straight knives up to 4 ft. long, and to any angle or bevel.

6958—Tap Groove Sharpening Machine; manufactured by the Exhibitors. Price £36 at Glasgow. A machine for sharpening, by patent consolidated emery wheels, the cutting part of the grooves of screw taps or rymers from $\frac{1}{4}$ in. to 4 in. diameter and all usual lengths.

6959—Twist Drill Grinding Machine; manufactured by the Exhibitors. Price £45 at Glasgow. A machine for sharpening with mathematical accuracy, by a patent consolidated emery wheel, twist drills up to 2 in. diameter.

6960—Band Grinder and Polisher; manufactured by the Exhibitors. Price £13 at Glasgow. For grinding and polishing metal articles by means of an endless emery band; consists of two cast-iron heads, each carrying a band pulley, one head carrying the driving pulley and the other being adjustable to regulate the tension of the belt. A central flat rest can be provided for grinding and polishing flat work.

6961—Portable Saw Sharpener; manufactured by the Exhibitors. Price £18 10s. at Glasgow. For sharpening large saws, for cutting iron and steel without removing them from the machine. Consists of a cast-iron frame to bolt to the table of the saw, with grips for holding the saw, and emery wheel running on an adjustable slide.

6962—No. 1 Polisher; manufactured by the Exhibitors. Price £2 15s. at Glasgow. Is a cast-iron stand and head, carrying a spindle projecting considerably over the machine at each end, and adapted for carrying two buffs or brushes. Is used by electro-platers, silversmiths, brass-finishers, &c.

6963—No. 2 Polisher; manufactured by the Exhibitors. Price £3 12s. at Glasgow. This machine is similar to the No. 1 but larger.

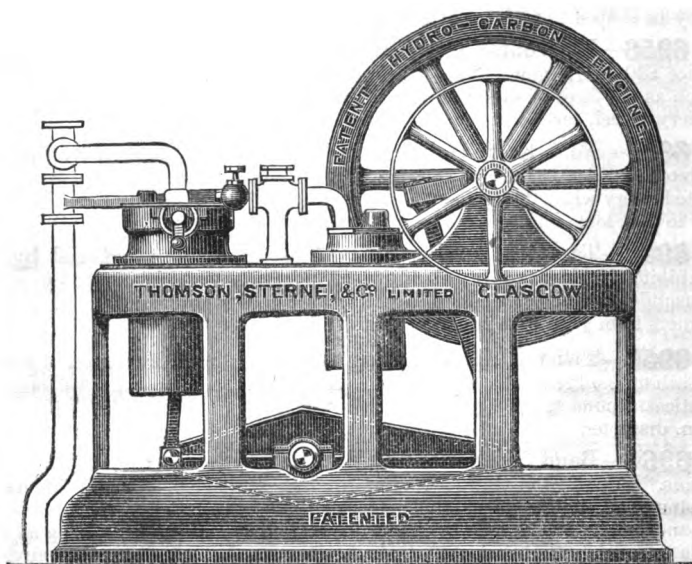
6964—Machine for Making and Grinding Kennedy's Patent Spiral Punches. Price £65 at Glasgow. Carries at one end a milling cutter for

forming the point of the punch, and at the other end an emery wheel for sharpening it, the punch being held and rotated on a sliding head. An attachment for sharpening the milling cutter can be supplied with the machine.

6965—Assortment of Kennedy's Patent Spiral Punches. Price from 2s. each upwards. The punches require less power, and strain the article punched much less than the ordinary flat punches.

6966—Assortment of Patent Consolidated Emery Wheels; manufactured by the Exhibitors. Price from 1s. per lb. For dressing castings, grinding and shaping small pieces of metal, removing the skin from forgings and castings, for shaping stones, bricks, &c., for grinding and sharpening tools.

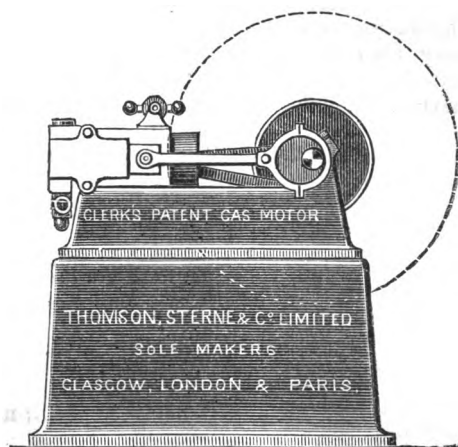
6967—Assortment of Spiral Springs; manufactured by the Exhibitors. Price from 6d. per lb.



6968—(*New Implement.*)—Patent Hydrocarbon Engine, 5-Horse Power; manufactured by the Exhibitors. Price £135 at Glasgow. Is worked by a mixture of oil and compressed air; requires no boiler or skilled attendant; applicable wherever power is required.

6969—(*New Implement.*)—2-Horse Power "Clerk's Patent Gas Engine;" manufactured by the Exhibitors. Price £130 at Glasgow. This engine is driven by a compressed mixture of coal gas and air; ignited in the motor cylinder at every revolution by a new arrangement, insuring absolute certainty and uniformity of combustion at any desired rate of speed.

6970—(*New Implement.*)—4-Horse Power "Clerk's Patent Gas Engine;" manufactured by the Exhibitors. Price £10 10s. at Glasgow. This engine is arranged the same as the 2-horse power, and also develops by the brake its full power at 200 revolutions per minute.



6971—(*New Implement.*)—Domestic Motor, $\frac{1}{10}$ -Horse Power; manufactured by the Exhibitors. Price £15 at Glasgow. This motor derives its power from steam, the steam being generated by air and gas; the generator is so constructed as to be absolutely free from danger of any kind.

6972—Patent Surface Grinding Machine; manufactured by the Exhibitors. Price £65 complete at Glasgow. This machine will surface with mathematical accuracy all kinds of surfaces up to 14 in. long, 6 in. wide, and 4 in. high. This machine is automatic throughout all its motions.

6973—Brick and Stone Shaping Machine; manufactured by the Exhibitors. Price £25 10s. at Glasgow. This machine carries 2 emery wheels 20 in. diameter, and is fitted with adjustable tables to suit the requirements of the work.

6974—Slide Rest and Diamond Tool; manufactured by the Exhibitors. Price £4 15s. at Glasgow. For turning and shaping emery wheels.

6975—Assortment of Nickel Plated Goods; manufactured by the Exhibitors. Price from 1s. each.

Stand No. 295.—*Slack's Emery Wheel and Machine Co. (Limited), of Manchester.*

Article 6976—Emery Grinder, Size Small, No. A; manufactured by the Exhibitors. Price £5 5s.

6977—Emery Grinder on Stand, Size Small, No. A; manufactured by the Exhibitors. Price £7 10s.

6978—Emery Grinder on Stand and Motion, Size Small, No. A; manufactured by the Exhibitors. Price £10.

6979—Emery Grinder on Stand and Motion, Size Small, No. A, with Side Bracket; manufactured by the Exhibitors. Price £10 15s.

6980—Emery Grinder, No. A, with 12-In. Wheels; manufactured by the Exhibitors. Price £6 10s.

6981—Emery Grinder, No. A, on Stand, and 12-In. Wheels; manufactured by the Exhibitors. Price £10.

6982—Emery Grinder, No. A, on Stand, and Motion, 14-In. Wheels; manufactured by the Exhibitors. Price £13 10s.

6983—Emery Grinder, No. A, with Side Bracket and Face Wheel; manufactured by the Exhibitors. Price £7 10s.

6984—Emery Grinder, No. A, with Side Bracket and Mounted on Stand; manufactured by the Exhibitors. Price £11.

6985—Emery Grinder, No. A, with Side Bracket and Mounted on Stand and Motion; manufactured by the Exhibitors. Price £13 10s.

6986—Emery Roller Machine, Complete on Stand, and Motion; manufactured by the Exhibitors. Price £13 10s.

6987—4-Wheel Emery Grinder on Stand, and Motion; manufactured by the Exhibitors. Price £16.

6988—Emery Grinder, No. B, with 18-In. Wheels; manufactured by the Exhibitors. Price £18.

6989—Emery Grinder, No. C, with 24-In. Wheels; manufactured by the Exhibitors. Price £30.

6990—Emery Grinder, No. D, with 36-In. Wheels; manufactured by the Exhibitors. Price £65.

6991—Lathe Attachment, No. 1, with 2 12-In. Emery Wheels; manufactured by the Exhibitors. Price £4.

6992—Lathe Attachment, No. 2, with 2 6-In. Emery Wheels; manufactured by the Exhibitors. Price £3 3s.

6993—Emery Band and Tape Machine; manufactured by the Exhibitors. Price £11.

6994—Double Emery Band and Tape Machine; manufactured by the Exhibitors. Price £20.

6995—Self-Acting Wheel Tooth Cleaning Machine; manufactured by the Exhibitors. Price £35.

6996—Tool Grinder, No. 2, with 16-In. Emery Wheel; manufactured by the Exhibitors. Price £12.

6997—Tool Grinder, No. 2, with 20-In. Emery Wheel; manufactured by the Exhibitors. Price £15.

6998—Tool Grinder, No. 2, with 24-In. Emery Wheel; manufactured by the Exhibitors. Price £21.

6999—Overhead Motion for Driving Emery Machinery; manufactured by the Exhibitors. Price £3.

7000—Self-Acting Pulley Grinding Machine; manufactured by the Exhibitors. Price £50.

7001—Self-Acting General Fitter; manufactured by the Exhibitors. Price £35.

7002—Self-Acting Knife and Slide Bar Grinding Machine; manufactured by the Exhibitors. Price £50.

7003—6-Wheel Joiners' Tool Grinder; manufactured by the Exhibitors. Price £10 10s.

7004—Bench Tool Grinder, with 16-Ft. 2½-In. Emery Wheel; manufactured by the Exhibitors. Price £6 10s.

7005—Assortment of Improved Patent Consolidated Emery Wheels, for General Mechanical Purposes; manufactured by the Exhibitors. Price from 1s. per lb.

7006—Assortment of Improved Patent Consolidated Emery Wheels, Specially adapted for Tool Grinding; manufactured by the Exhibitors. Price from 1s. per lb.

7007—Assortment of Improved Patent Consolidated Emery Wheels, Specially Made for Saw Sharpening; manufactured by the Exhibitors. Price from 1s. per lb.

7008—Assortment of Improved Patent Consolidated Emery Wheels, Specially Made for Plane Irons; manufactured by the Exhibitors. Price from 1s. per lb.

7009—Assortment of Emery Blocks and Rubbers for Marble and Metal Polishing; manufactured by the Exhibitors. Price from 1s. per lb.

7010—Assortment of Genuine Corn Emery; manufactured by the Exhibitors. Price 21s. per cwt.

7011—Assortment of Genuine Flour Emery; manufactured by the Exhibitors. Price 10s. 6d. per cwt.

Stand No. 296.—*C. Harrison and Co., of 17, Fenchurch Street, London, E.C.*

Article 7012—"Eureka" Combined Double Aspirator, Separator, and Smutter, No. 2; manufactured by Howes, Babcock, and Co., of Silver Creek, U.S.A. Price £60. This machine will completely separate, and scour from 40 to 60 bushels per hour.

7013—"Eureka" Wheat Brusher and Finisher, No. 2; manufactured by Howes, Babcock, and Co. Price £60. This machine will polish and finish from 40 to 60 bushels per hour.

7014—"Booth's" Zigzag Grain Separator, No. 1; manufactured by Howes, Babcock, and Co. Price £37 10s. This machine will separate from 20 to 30 bushels per hour.

7015—"United States" Bran Duster, No. 2; manufactured by George Oliver, of Rochester, U.S.A. Price £55. This machine is adjustable while running, and will dust 500 to 600 bushels of offals per day.

7016—(*New Implement.*)—"Standard" Middlings Purifier, No. 1; manufactured by Fender and Cuthbertson, of Minneapolis, U.S.A. Price £90. This machine makes a complete purification of all classes of middlings.

7017—42-In. "American" Turbine Water Wheel; manufactured by Stout, Mills, and Temple, of Dayton, U.S.A. Price £130. These celebrated turbines have made their reputation on low and varying falls.

7018—(*New Implement.*)—Degerminator; manufactured by Chisholm Brothers, of Chicago, U.S.A. Price £150. This is a new machine for removing the germ from wheat without waste, previous to grinding.

7019—(*New Implement.*)—"Bowsher's" Power or Motion Indicator; manufactured by Chisholm Brothers. Price £7 7s. This little machine faithfully indicates the least variation in the speed of millstone spindles, or of any machinery.

7020—(*New Implement.*)—"Sergeant's" Millstone Driver; manufactured by Sergeant's Mill Burr Driver Company, of Minneapolis, U.S.A. Price £10. This new machine is proving a boon to the millers in America.

7021—(*New Implement.*)—"Querk's" Hydraulic Motor; manufactured by Querk Brothers, of Chicago, U.S.A. Price £6 6s. Made in all sizes. This one is adapted for driving a sewing machine, big saw, or amateur's lathe from off the water company's pressure.

7022—"Champion" Millstone Dresser; manufactured by Chisholm Brothers, of Chicago, U.S.A. Price £15. For putting in a uniform dress to millstones; very useful where skilled labour is scarce.

Stand No. 297.—*William Gardner, of Gloucester.*

Article 7023—Pair of 4-Ft. French Millstones; manufactured by the Exhibitor. Price £34. Made from the best golden nutmeg burrs, with diamond turned faces, and built on Gardner's improved plan; specially adapted for high grinding.

7024—Pair of 4-Ft. French Millstones; manufactured by the Exhibitor. Price £27. Moderately close and free cutting.

7025—Pair of 3-Ft. 10-In. French Millstones; manufactured by the Exhibitor. Price £28. Made from the best golden nutmeg burrs.

7026—Pair of 4-Ft. 6-In. French Millstones; manufactured by the Exhibitor. Price £42. For grinding cement, coprolites, chemicals, &c.

7027—Eureka Flour Feeding and Mixing Machine; manufactured by the Exhibitor. Price £5 5s. For mixing grain, flour, &c.

7028—Millstaff Prover in Case; manufactured by the Exhibitor. Price £3 10s. With lock and key complete.

7029—Mahogany and Oak Millstuffs. Price from 17s.

7030—Case of Best Cast-Steel Mill-Pecks; manufactured by the Exhibitor. Price from 1s. 2d. per lb.

7031—Best Leather Driving Bands and Elevator Webbing; manufactured by the Exhibitor. Price from 4d. per foot.

7032—Rope and Chain Pulley Blocks; manufactured by the Exhibitor. Price from £1 5s. each.

7033—Sack Carts; manufactured by the Exhibitor. Price from 14s. 6d. each.

7034—Case of Lubricators and Oil Feeders; manufactured by the Exhibitor. Price from 1s. each.

7035—Case of Mill-Brooms and Hand-Brushes; manufactured by the Exhibitor. Price from 1s. 9d. each.

7036—Wood and Iron Mill-Pecks Handles; manufactured by the Exhibitor. Price from 2s. 6d. each.

7037—Assorted Samples of General Mill Furniture; manufactured by the Exhibitor. Price from 1s.

Stand No. 298.—*Van Gelder and Apsimon, of 7 Back Goree, Liverpool.*

Article 7038—(*New Implement.*)—Patent Silent Double Eccentric Grain and Seed Separator, with Aspirator; manufactured by the Exhibitors. Price £75. For separating and sizing wheat. Capacity, 100 bushels per hour. This machine is remarkable for large capacity with small dimensions, and forms with the two following numbers the new method of cleaning grain. (*For Trial.*)

7039—Set of Oat and Barley and Cockle Separators, Consisting of 6 Cylinders; manufactured by Mayer and Co., of Kalk, near Cologne. Price £11 10s. each cylinder. A wooden frame, containing a set as exhibited with feeder, hopper, conveyors, pulleys, and belting ready for work, manufactured by the Exhibitors. Exhibitors are sole Agents for United Kingdom.

7040—Patent Grain Cleaner; manufactured by Walker and Pendleton, of Liverpool. Price £61. Van Gelder's patent grain cleaner, polisher, and smut machine. Capacity, 60 bushels per hour.

7041—Improved Cockle and Seed Separator; manufactured by Mayer and Co., of Kalk, near Cologne. Price £22 10s. Capacity, 18 bushels per hour. Exhibitors are sole agents for United Kingdom.

7042—Patent Millstone Dresser; manufactured by T. B. Harris, of Ottawa, Illinois, U.S.A. Price £5 10s. Each machine complete, with two solid steel picks.

7043—Patent Automatic Millstone Exhaust, with Curb; manufactured by Seck Brothers, of Bockenheim, near Frankfurt-on-the-Maine. Price £25. The application of this exhaust ensures a greater capacity of the millstones without loss of flour. No danger of fire.

7044—(*New Implement.*)—Newly Invented Middlings Purifier (Patented); manufactured by Seck Brothers. Price £90. The peculiarity of this machine is that it requires no stive room.

7045—Collection of Perforated Zinc, Copper, Iron, and Steel; manufactured by Mayer and Co., of Kalk, near Cologne. Price from 7d. to 2s. 6d. per square foot. For thrashing machines, separators, sieves, &c. Exhibitors are sole agents for the United Kingdom.

7046—Collection of Swiss Silks, 40 In. Wide, First Quality; manufactured by Homberger Brothers, of Wetzikon, Switzerland. Price from 4s. 11d. to 13s. 6d. per yard; extra quality from 8s. to 14s. 6d. per yard; double extra quality from 10s. 6d. to 12s. 8d., and extra heavy at 9s. per yard. For flour dressing, middlings purifiers, &c.

7047—Patent Laboratory Filterpress, with Pump, Safety Valve, and Washing Apparatus; manufactured by A. L. G. Dehne, of Halle-on-Saal. Price £28 in bronze; £22 in iron. The exhibited press is a specimen of patent filterpresses for chemical works, porcelain works and potteries, colour works and white lead works, stearine works, paraffin and oil works, &c. Exhibitors are agents for North of England, Scotland, and Ireland.

7048—Liver Millstone Rubber, Registered; manufactured by the Exhibitors. Price 14s. Specially adapted for rubbing face and furrows of millstones.

7049—Samples of Behrends's Rock Cement; manufactured by Julius Behrends, of Leipzig. Price, large box, 12s.; small box, 5s. For filling holes and cracks in millstones.

7050—Diamonds for Mechanical Purposes; selected by the Exhibitors. Price £1 12s. per carat. An exquisite collection of carbonate for millstone dressers and boring apparatus.

7051—Samples of American and English Belting; selected by the Exhibitors. Price from 3½d. per running foot.

7052—Samples of Elevator Buckets; selected by the Exhibitors. Price from 2½d. each.

7053—Collection of Best Cast Steel Mill Bills or Chisels; manufactured for the Exhibitors. Price from 1s. 2d. per lb.

7054—Magnets for Mills; manufactured by the Western Electric Manufacturing Company, of Chicago, U.S.A. Price 5s. For extracting iron, nails, wire, &c., from cereals.

Stand No. 299.—*Lampitt and Son, of Warwick.*

Article 7055—Improved Silk Flour-dressing Machine; manufactured by the Exhibitors. Price £65. Fitted with Lampitt's patent reel bars.

7056—The Acme Reel Bar; manufactured by the Exhibitors. Price 1s. 6d. per foot. A length of Lampitt's patent reel bar, as supplied for the ordinary silk flour-dressing machine; made any length required.

7057—Corn Grinding Mill, with 3-Ft. Diameter French Stones; manufactured by the Exhibitors. Price £55; loose pulley £2 2s., crane, £6 extra.

Stand No. 300.—*Joseph Kaye and Co., of Kirkstall, near Leeds, Yorkshire.*

Article 7058—(*New Article.*)—Horse Box Fastener; manufactured by the Exhibitors. Price £1 1s. (*For Trial.*)

7059—(*New Article.*)—Large Size Brass Mortice Lock (6 Levers); manufactured by the Exhibitors. Price £1. (*For Trial.*)

7060—(*New Article.*)—Large Size Brass Mortice Lock (4 Levers); manufactured by the Exhibitors. Price 15s. (*For Trial.*)

7061—(*New Article.*)—2-Bolt 2-Lever Iron Mortice Lock; manufactured by the Exhibitors. Price 3s. (*For Trial.*)

7062—(*New Article.*)—Brass Mortice Latch; manufactured by the Exhibitors. Price £1 2s. (*For Trial.*)

7063—(*New Article.*)—Oil Cans, No. 1, No. 2, No. 3, No. 4, No. 5, and No. 6; manufactured by the Exhibitors. Price from £1 2s. to £1 10s. per dozen; locomotive oil cans, £2 per dozen. (*For Trial.*)

7064—(*New Article.*)—Torch Lamps; manufactured by the Exhibitors. Price, gills, £1 12s.; pints, £1 19s.; quarts, £2 2s. per dozen. (*For Trial.*)

7065—(*New Article.*)—Brass Cupboard Latch and Brass Cabinet Latch, with Oak or Ebony Knobs; manufactured by the Exhibitors. Price from 12s. to 18s. per dozen. (*For Trial.*)

7066—(*New Article.*)—Kaye's Patent Door Furniture, Oak, White China, Ebony, and Black China; manufactured by the Exhibitors. Price from £2 to £5 a set, including spindle and keyhole escutcheons. (*For Trial.*)

7067—(*New Article.*)—Kaye's Safety Circular Lamp; manufactured by the Exhibitors. Price from £2 8s. to £3 per dozen. (*For Trial.*)

7068—(*New Article.*)—Kaye's Patent Fare Collectors; manufactured by the Exhibitors. Price £10 5s. (*For Trial.*)

7069—(*New Article.*)—Medium Size Brass Mortice Lock (6 levers); manufactured by the Exhibitors. Price 10s. 6d. (*For Trial.*)

7070—(*New Article.*)—Medium Size Brass Mortice Lock (4 levers); manufactured by the Exhibitors. Price 8s. (*For Trial.*)

7071—(*New Article.*)—2-Bolt 4-Lever Brass Mortice Lock; manufactured by the Exhibitors. Price 6s. (*For Trial.*)

7072—(*New Article.*)—2-Bolt 2-Lever Brass Mortice Lock, Finished only at Face; manufactured by the Exhibitors. Price 4s. (*For Trial.*)

Stand No. 301.—*Hugh James Sanderson, of 4, Arcade Chambers, St. Mary's Gate, Manchester.*

Article 7073—(*New Implement.*)—Chilled Iron Roller Mill; manufactured by Nagel & Kaemp, of Hamburg, Germany. Price £150. Specially constructed for flour mills.

7074—(*New Implement.*)—Double-Cylinder Centrifugal Flour Dressing Machine; manufactured by Nagel & Kaemp. Price £147.

7075—Set of Sample Pieces of Silk Gauze for Covering Flour Dressing Machines; manufactured by Egli & Sennhauser, of Zurich, Switzerland. Price for prima silk, 4s. 3d. to 12s. 3d. per yard; for double extra silk, 7s. 11d. to 10s. 2d. per yard; for middlings gauze, for all numbers from 16 to 60 (in all 23 pieces) 7s. 10d. per yard.

Stand No. 302.—*Hutchison, Batchellor and Per-*
man, of 229, Upper Thames Street, London, E.C.

Article 7076—Close Fire Kitchener, No. 50 B D, 6 Ft.; manufactured by the Exhibitors. Price £16 17s. 6d. Registered design, with 2 wrought-iron ovens, valves and ventilators, heavy bright mountings, massive outside mouldings, covings and all bright plate rack, dampers, fire bricks, hook, key, raker, false bottom and wrought sliding smoke plate, &c. 30 in. high.

7077—Close Fire Kitchener, No. 50 B D, 5 Ft.; manufactured by the Exhibitors. Price £15 12s. 6d. As above.

7078—Close Fire Kitchener, No. 50 B D, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £14 7s. 6d. As above.

7079—Close Fire Kitchener, No. 50 B D, 4 Ft.; manufactured by the Exhibitors. Price £11 17s. 6d. As above.

7080—Close Fire Kitchener, No. 50 B, 5 Ft.; manufactured by the Exhibitors. Price £13 2s. 6d. Registered design, with wrought-iron oven (right or left hand), valve and ventilator, heavy bright mountings, massive outside mouldings, cast neck boiler with brass tap, covings and all bright plate rack, dampers, fire bricks, hook, key, raker, false bottom, and wrought-iron sliding smoke plate, &c. 30 in. high.

7081—Close Fire Kitchener, No. 50 B, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £11 17s. 6d. As above.

7082—Close Fire Kitchener, No. 50 B, 4 Ft.; manufactured by the Exhibitors. Price £10. As above.

7083—Close Fire Kitchener, No. 50 B D P, 5 Ft.; manufactured by the Exhibitors. Price £15 12s. 6d. As above, with double ovens.

7084—Close Fire Kitchener, No. 50 B P, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £14 7s. 6d. As above, with oven and boiler.

7085—Close Fire Kitchener, No. 50 B R 4, Ft.; manufactured by the Exhibitors. Price £11 17s. 6d. As above.

7086—Close Fire Kitchener, No. 40, 4 Ft.; manufactured by the Exhibitors. Price £8 2s. 6d. With wrought-iron oven (right or left hand), valve and ventilator, bright mountings, side nozzle boiler with brass cock and steam pipe, 3 flue plates with dampers and soot doors, 3 fire bricks, hook, key, and raker, false bottom and cast register door complete. 30 in. high.

7087—Close Fire Kitchener, No. 35, 3 Ft. 6 In.; manufactured by the Exhibitors. Price £5 2s. 6d.; if bright fitted, 12s. 6d. extra. With wrought-iron oven (right or left hand) and ventilator, side nozzle boiler, with brass tap and steam pipe, skirting, 2 flue plates for soot door and damper, fire bricks, hook, key, raker, false bottom and cast-iron register door. 27 in. high.

7088—Close Fire Kitchener, No. 5 B, 3 Ft. 6 In.; manufactured by the Exhibitors. Price £5 11s. 6d. A complete villa kitchener, fitted with large wrought-iron oven or roaster (thoroughly ventilated), neck boiler and tap, covings, plate rack, dampers, soot doors, ash pan, fire bricks, false bottom, and register door complete. 24 in. high.

7089—Close Fire Kitchener, No. A 1, 3 Ft.; manufactured by the Exhibitors. Price £2 2s. 6d. A complete cottage kitchener, fitted with skirtings, large wrought-iron oven (thoroughly ventilated for roasting), boiler, brass cock, soot doors, dampers, raker, register door, flat and false bottoms, &c. 24 in. high.

7090—Sample of Wrought-Iron Boilers, for Kitchen Ranges; manufactured by the Exhibitors. Price 6d. per lb.

Stand No. 303.—*Henry Cutler, of 13, Southwark Street, Borough, S.E.*

Article 7091—(*New Implement.*)—Machine for Cleaning and Separating Seeds, Grain, and Rice; manufactured by the Exhibitor. Price 60 guineas. Specially adapted for cleaning and separating all seeds, as by its peculiar motion it enables certain sieves or riddles to do work which hitherto they have failed to do in quantity. With it one man can clean 5 tons of clover seed a day. (*For Trial.*)

Stand No. 304.—*Thomas Greville Potter, of 17, Oxford Street, London, W.*

Article 7092—Social Science Oil Kitchener; manufactured by the Exhibitor. Price £4 4s. This stove burns all kinds of mineral oil, and cooks for 12 persons; all appliances included.

7093—Social Science Oil Kitchener; manufactured by the Exhibitor. Price £3 13s. 6d. This stove as above; cooks for 10 persons; all appliances included.

7094—Social Science Oil Kitchener; manufactured by the Exhibitor. Price £3 3s. Same as above; cooks for 8 persons.

7095—Buckmaster Mineral Oil Cooking Stoves; manufactured by the Exhibitor. Price from £1 3s. 6d. to £2 12s. 6d. The above are all portable, and available for land or water service.

7096—Buckmaster Cooking Stoves; manufactured by the Exhibitor. Price from 10s. 6d. to £1 1s. The above all portable.

7097—Portable Farmstead Oil Stove; manufactured by the Exhibitor. Price £1 5s. 6d. Valuable accessory for lambing season, boiling roots, milk, making mashes, &c.

7098—Yachting Kitchener, for 6 Persons; manufactured by the Exhibitor. Price £2 2s. The above burns methylated spirit, and the price includes all cooking appliances.

7099—Portable Fuel Stove, in Japan Case; manufactured by the Exhibitor. Price £1 15s. 6d. Valuable accessory for explorers, forest rangers, &c. All accessories are included in price.

7100—Pocket Kitchener, for Travellers; manufactured by the Exhibitor. Price 5s. to 15s. 6d. The above stove burns methylated spirit.

7101—Social Science Greenhouse Warmers; manufactured by the Exhibitor. Price 6s. 9d. to 15s. 6d. These stoves burn any kind of mineral oils, without smoke or smell, and are available for large or small spaces.

7102—Conservatory and Room Warmers; manufactured by the Exhibitor. Price from 15s. 6d. to £2 2s. For these warmers mineral oil is also used; healthy, clean, and economical.

7103—Self-Acting Portable Refrigerator; manufactured by the Exhibitor. Price from 2s. 10d. to 12s. 6d. The above are all available for dairy produce, all meats and drinks.

7104—Farmyard Lanterns; manufactured by the Exhibitor. Price from 4s. 9d. to 10s. 6d. The above are for mineral oil, and all available for within or out-door service.

7105—Storm Lanterns, Canadian; manufactured by Hardinge & Rolt, of Montreal. Price from 4s. 6d. to 10s. 6d. The above are constructed for any out of door service.

7106—New Milk Flagon; manufactured by the Exhibitor. Price from 2s. 6d. to 5s. 6d.

7107—Duplex Atmospheric Cooking Stoves; manufactured by Williamson, of London. Price from 10s. 6d. to £1 1s. The extent of service of above stoves is for frying, boiling, and stewing.

7108—Atmospheric Gas Stove; manufactured by Williamson. Price from £1 5s. 6d. to £1 15s. 6d. Available for small families; bake, boil, fry, stew, broil, &c.

7109—Multiple Atmospheric Gas Stove; manufactured by Williamson. Price £3 10s. This stove does service for larger families; numerous cookings same time.

7110—Large Multiple Family Stoves, Gas; manufactured by Williamson. Price £5 5s. Available for all phases of cookery conjunctively.

7111—Collection of Domestic Inventions; manufactured by American manufacturers. Price from 2s. to 10s. 6d. The above are introduced as samples only of modern household inventions.

Stand No. 305.—*Messrs. S. Leoni and Co., of 54 to 68, St. Paul Street, New North Road, N.; and 74, Strand, W.C., London.*

Article 7112—Family Gas Kitchen, κ 65; manufactured by the Exhibitors. Price £10. An excellent kitchen, comprising oven for roasting or baking, also griller, which can be used independently, and hotplate, with 3 rings for boiling, stewing, frying, &c.

7113—1879 Exhibition Gas Kitchen, κ 26 P; manufactured by the Exhibitors. Price £16 16s. 6 quatern loaves of bread baked in one hour; consumption of gas 30 cubic feet. Leg of mutton, sirloin or ribs of beef, of 10 lbs. weight, roasted in 2½ hours; consumption of gas 40 cubic ft. Thermometers and special fittings charged extra.

7114—Family Gas Kitchen, κ 7; manufactured by the Exhibitors. Price £12. Will roast up to 30 lbs. of meat, or bake a corresponding quantity of bread or pastry, with a very moderate consumption of gas. Hotplate fitted with 4 rings for boiling, stewing, frying, &c.

7115—Large Family Gas Kitchen, κ 8; manufactured by the Exhibitors. Price £15. Will roast up to 40 lbs. of meat, or bake bread and pastry to perfection, with a very small consumption of gas. Hotplate fitted with 5 separate gas fires for boiling, stewing, &c.

7116—Double Family Gas Kitchen, with Griller, κ 69; manufactured by the Exhibitors. Price £26. This kitchen will cook a complete dinner for 20 persons, consisting of soup, fish, entrées, roast, poultry, game, pastry, vegetables, &c., with less than 300 cubic ft. of gas.

7117—Large Double Gas Kitchen, κ 38; manufactured by the Exhibitors. Price £36. Made of two separate No. 8's, and fitted with a consecutive hotplate 4 ft. 6 in. by 2 ft., with 7 separate atmospheric gas rings. One of the ovens is specially arranged for baking, whilst the other is always ready for roasting.

7118—The "Villa" Kitchen, κ 267; manufactured by the Exhibitors. Price £32. Specially recommended for large families.

7119—The "College" Kitchen, κ 510; manufactured by the Exhibitors. Price £42. Will roast to perfection about 80 lbs. of meat, with a consumption of 50 cubic ft. of gas per hour. Recommended for the use of schools, warehouses, restaurants, &c.

7120—Large Gas Kitchener, κ 88; manufactured by the Exhibitors. Price £18 18s. Will roast up to 40 lbs. of meat, or bake a corresponding quantity of pastry. Door furniture all bright and burnished. Recommended as an accessory for hotels, clubs, &c., especially for poultry and venison.

7121—Large Single Oven, ο 8; manufactured by the Exhibitors. Price £55. Specially fitted for baking, which is done to perfection. The consumption of gas is very small.

7122—The Hotel or Restaurant Double Oven, ο 9; manufactured by the Exhibitors. Price £120. To economise and retain the heat inside, 450° temperature being obtained in 15 minutes, and retained at a reduced consumption of gas. When thoroughly heated, cooking can be continued for half-an-hour without gas. In use at the London Hospital, saving 12 per cent. (£500), and at Messrs. Whiteley's, £800: cost of cooking, 1 cubic ft. per lb. of meat.

7123—Hotel Range, with 2 Grillers, α 427; manufactured by the Exhibitors. Price £36. These ranges are made in several sizes. The grillers broil or toast by a deflected heat, which prevents the extraction of the gravy from the meat; chops, steaks, &c., are well browned and full of juice.

7124—Large Patent Multiple Kitchen Boiler, κ β 20; manufactured by the Exhibitors. Price £42. The water being divided by a number of iron cells, each holding 1½ gallon, is made to circulate very rapidly and with an increased heating surface. Boiling water is produced in any quantity in the short time of 20 minutes, at an expenditure of 90 cubic ft. of gas per 100 gals.; cost 3d. Boiler is provided with manhole to clean it from fur, &c.

7125—Patent Multiple Steamer for Hospitals and other Large Institutions, 520; manufactured by the Exhibitors. Price £80. Boiler fitted as described (κ β 20). Steam is got up in 20 minutes, and in half-an-hour 1 cwt. of potatoes are steamed, with a consumption of 90 cubic ft. of gas; cost 3d.

7126—Large Patent Meat Steamer, with Steam Boiler, 532; manufactured by the Exhibitors. Price £125. Dimensions of steamer, 5 ft. 3 in. wide by 2 ft. 9 in. deep, and 2 ft. 10 in. high. By this apparatus 3 cwt. of meat can be steamed in 2 hours, and a saving in weight is effected of 15 per cent, as against the old system of boiling; the quality of the meat is also improved. It is recommended for its simplicity and durability.

7127—Portable Hot Water Circulating Apparatus, No. 12; manufactured by the Exhibitors. Price £18. 30 to 40 gallons of water may be kept constantly ready heated to 90 or 100 degrees, which can be quickly raised to a higher temperature. Requires little attention, and is a most efficient portable apparatus of this kind.

7128—Patent Safety Bath Boiler, No. 18; manufactured by the Exhibitors. Price £10. A bath of say 30 gallons may be raised to a temperature of 100 degrees in half-an-hour, with a consumption of 30 cubic ft. of gas. The boiler being self-filling, can never become empty, thus preventing the possibility of accidents.

7129—The "Spa" New Patent Rapid Bath Boiler; manufactured by the Exhibitors. Price £12; patent brass fittings with lever cock to draw on or off cold or hot water or gas, £4 extra. A bath of 30 gallons of water is raised to a temperature of 100 degrees in 30 minutes with a consumption of 30 cubic feet of gas. This is a strong and durable-made boiler, and is not liable to go wrong.

7130—Hotel Griller, α 13; manufactured by the Exhibitors. Price £5. Will grill by deflected heat 8 or 10 chops or steaks quite brown and juicy.

7131—The Ladies' Favourite Kitchener, 231 A; manufactured by the Exhibitors. Price £5 15s.

7132—The Ladies' Favourite Kitchener, 229 A; manufactured by the Exhibitors. Price £4 15s.

7133—The Ladies' Favourite Kitchener, 228; manufactured by the Exhibitors. Price £3 15s. These cookers will roast and bake to perfection; are very useful for small families or as an accessory to any other kitchener. 231 A will cook a complete dinner for 8 persons at a cost of less than 2d. for gas, including 3 gallons of boiling water.

7134—The Artizan's Cooker (1st Size), 226; manufactured by the Exhibitors. Price 18s. Will grill up to 1½ lb. of steak, steam 2½ lbs. of potatoes, boil greens, steam a pudding, and supply 2 quarts of hot water for washing-up and 1 quart boiling for tea in 1 hour 15 minutes, at a cost of about 1d. for gas.

7135—The Artizan's Cooker (2nd Size), 227; manufactured by the Exhibitors. Price £1 12s. 6d. With 30 cubic ft. of gas 4 lbs. of meat are roasted, 6 lbs. of potatoes steamed, vegetables boiled, pudding steamed, 1 gallon of hot water supplied for washing-up, and 1 quart boiling for tea or coffee. Time from 1 to 1½ hour.

7136—The Office Cooker (1st Size), 223; manufactured by the Exhibitors. Price 12s. Will grill up to 1½ lb. of steak in half-an-hour, and at same time boil 1½ lb. of potatoes; will also make toast to perfection.

7137—The Office Cooker (2nd Size), 224; manufactured by the Exhibitors. Price £1 1s. Will roast 4 lbs. of meat and steam 6 lbs. of potatoes in 1 to 1½ hour, with a consumption of 20 cubic ft. of gas.

7138—Atmospheric Gas Hot Plate, 113; manufactured by the Exhibitors. Price £4. Specially recommended as an accessory in kitchens for boiling, stewing, frying, &c.

7139—Cheap Atmospheric Gas Boiling Stoves, Nos. 90 to 93; manufactured by the Exhibitors. Price, No. 90, 1s. 10d.; No. 91, 2s.; No. 92, 3s.; No. 93, 4s. each; as accessories.

7140—Registered Atmospheric Gas Boiling Stoves, Nos. 100 to 110; manufactured by the Exhibitors. Price, No. 100, 3s.; No. 101, 3s. 3d.; No. 102, 4s. 6d.; No. 103, 5s. 6d.; No. 104, 12s.; No. 105, 8s.; No. 106, 21s.; No. 107, 25s.; No. 109, 42s.; No. 110, 15s. each; as accessories.

7141—Warren's Cookers, 1070 and 1075; manufactured by the Exhibitors. Price, No. 1070, 2 gallons, 21s.; 3 gallons, 27s.; 4 gallons, 32s. 6d. each. No. 1075, 3 gallons, 31s.; 4 gallons, 37s. each; as accessories.

7142—Circular Planished Block Tin Boiler, No. 1700; manufactured by the Exhibitors. Price, 1 gallon, 28s.; 2 gallons, 36s. each; as accessories.

7143—Saucepans, with Steamers and Batchelors' Kettles; manufactured by the Exhibitors. Price: No. 1090, saucepans, with steamers, 2 quarts, 3s.; 4 quarts, 3s. 6d. each. No. 80, batchelors' kettles, 1 quart, 2s. 6d.; 2 quarts, 3s.; 4 quarts, 4s. each. No. 91, batchelors' kettles, 1 pint, 1s.; 3 pints, 1s. 6d.; 4 pints, 1s. 9d.; 6 pints, 2s. each; as accessories.

7144—Laundry Stove for 2 Irons, Without Cover, No. 409; manufactured by the Exhibitors. Price 12s.

7145—Hatter's Stove for 1 Iron, Without Cover, No. 411; manufactured by the Exhibitors. Price 5s. 6d.

7146—Tailor's Stove for 1 Iron, Without Cover, No. 414; manufactured by the Exhibitors. Price 8s.

7147—Tailor's Stove for 2 Irons, with Cover, No. 447; manufactured by the Exhibitors. Price £2.

7148—Soldering Stove, with 2 Cocks, No. 222; manufactured by the Exhibitors. Price £1 4s.

7149—Gas Burners, Rheometers, Regulators, &c.; manufactured by the Exhibitors. Prices according to kind, number, size, &c., which are too numerous to detail, but shall be marked on the articles themselves.

7150—Heating and Ventilating Calorifere, with Copper Interior, No. 11; manufactured by the Exhibitors. Price £10. This calorifere is also made with iron interior, price £6.

7151—Our Elegant Effective Patent Platinum Gas Stove, No. 91 c; manufactured by the Exhibitors. Price £2 10s.

7152—Our Elegant Effective Patent Platinum Gas Stove, No. 94 c; manufactured by the Exhibitors. Price £3 10s.

7153—Our Elegant Effective Patent Platinum Gas Stove, No. 98 c; manufactured by the Exhibitors. Price £5 10s.

7154—Our Elegant Effective Patent Platinum Gas Stove, No. 114 c bis; manufactured by the Exhibitors. Price £2 5s.

7155—Cheerful Gas Stove, with Copper Reflector, No. 24; manufactured by the Exhibitors. Price £1 16s.

7156—Cheerful Gas Stove, with Copper Reflector, No. 58; manufactured by the Exhibitors. Price £5 15s.

7157—Enamelled Cheerful Gas Stove, with Copper Reflector, No. 30; manufactured by the Exhibitors. Price £5 10s.

7158—Marble Cheerful Gas Stove, with Copper Reflector, No. 70; manufactured by the Exhibitors. Price £5 12s.

Stand No. 306. — *Billing and Co., of Smart's Buildings, Bloomsbury, W.C., and 90, Hatton Garden, E.C.*

Article 7159—"Sun Dial" Gas Cooking Stove, No. 180; manufactured by the Exhibitors. Price £35.

7160—"Sun Dial" Gas Cooking Stove, No. 185; manufactured by the Exhibitors. Price £24. This stove is fitted with 2 copper boilers, tinned inside, one being arranged for high pressure service, with feed cistern complete. Obtained the Silver Medal at the Birmingham Exhibition of Gas Stoves, 1878.

7161—"Sun Dial" Gas Cooking Stove, with Copper Boiler, No. 141; manufactured by the Exhibitors. Price £15.

7162—"Sun Dial" Gas Cooking Stove, with Copper Boiler, No. 176; manufactured by the Exhibitors. Price £9 10s.

7163—"Sun Dial" Gas Cooking Stove, with Small Portable Copper Boiler, No. 186; manufactured by the Exhibitors. Price £6 18s.

7164—"Sun Dial" Gas Cooking Stove, No. 140; manufactured by the Exhibitors. Price £10.

7165—"Sun Dial" Gas Cooking Stove, No. 181; manufactured by the Exhibitors. Price £7 18s.

7166—"Sun Dial" Gas Cooking Stove, with Tin Lining, &c., No. 135½; manufactured by the Exhibitors. Price £6.

7167—"Sun Dial" Gas Cooking Stove, No. 135; manufactured by the Exhibitors. Price £5 5s.

7168—"Sun Dial" Gas Cooking Stove, with Tin Lining, &c., No. 139½; manufactured by the Exhibitors. Price £4 2s.

7169—"Sun Dial" Gas Cooking Stove, No. 139; manufactured by the Exhibitors. Price £3 10s.

7170—"Sun Dial" Gas Cooking Stove, No. 195; manufactured by the Exhibitors. Price £3.

7171—"Sun Dial" Gas Cooking Stove, No. 148; manufactured by the Exhibitors. Price £2 8s.

7172—"Sun Dial" Gas Cooking Stove, No. 194; manufactured by the Exhibitors. Price £2.

7173—"Sun Dial" Gas Cooking Stove, No. 190; manufactured by the Exhibitors. Price £1 16s.

7174—"Sun Dial" Gas Cooking Stove, No. 133; manufactured by the Exhibitors. Price £1 15s.

7175—"Sun Dial" Gas Cooking Stove, No. 175; manufactured by the Exhibitors. Price £1 5s.

7176—"Sun Dial" Gas Cooking Stove, No. 142; manufactured by the Exhibitors. Price £1 1s.

7177—"Sun Dial" Gas Cooking Stove, No. 183; manufactured by the Exhibitors. Price £1.

7178—"Sun Dial" Gas Cooking Stove, No. 177; manufactured by the Exhibitors. Price 16s.

7179—"Sun Dial" Gas Cooking Stove, No. 146; manufactured by the Exhibitors. Price 10s. 6d.

7180—"Sun Dial" Copper Reflector, for No. 140 Cooking Stove; manufactured by the Exhibitors. Price £2 6s.

7181—"Sun Dial" Copper Reflector, for No. 135 Cooking Stove; manufactured by the Exhibitors. Price £1 10s.

7182—"Sun Dial" Copper Reflector, for No. 139 Cooking Stove; manufactured by the Exhibitors. Price £1 4s.

7183—"Sun Dial" Copper Reflector, for No. 148 Cooking Stove; manufactured by the Exhibitors. Price 18s.

7184—"Sun Dial" Copper Reflector, for No. 177 Cooking Stove; manufactured by the Exhibitors. Price 12s.

7185—"Sun Dial" Gas Hot Plate, No. 164; manufactured by the Exhibitors. Price £12 12s.

7186—"Sun Dial" Gas Hot Plate, No. 137, with Plate Warmer; manufactured by the Exhibitors. Price £2 10s.

7187—"Sun Dial" Gas Hot Plate, No. 157; manufactured by the Exhibitors. Price £2 8s.

7188—"Sun Dial" Gas Hot Plate, No. 156; manufactured by the Exhibitors. Price £1 12s.

7189—"Sun Dial" Gas Hot Plate, No. 193; manufactured by the Exhibitors. Price £1.

7190—"Sun Dial" Gas Hot Plate, No. 155; manufactured by the Exhibitors. Price 18s.

7191—Gas Boiling Stove, No. 154, 2 Burners; manufactured by the Exhibitors. Price 10s. 9d.

7192—Gas Boiling Stove, No. 153; manufactured by the Exhibitors. Price 4s. 4d.

7193—Gas Boiling Stove, No. 152; manufactured by the Exhibitors. Price 3s. 8d.

7194—Gas Boiling Stove, No. 151; manufactured by the Exhibitors. Price 3s.

7195—"Sun Dial" Gas Boiling Stove, No. 165½; manufactured by the Exhibitors. Price 2s.

7196—"Sun Dial" Gas Boiling Stove, No. 165, with Brass Handle; manufactured by the Exhibitors. Price 1s. 4d.

7197—Gas Stove for Heating Tailors' Irons, No. 161; manufactured by the Exhibitors. Price 3s. 9d.

7198—Gas Stove for Heating Laundry Irons; manufactured by the Exhibitors. Price 3s. 4d.

7199—"Sun Dial" Portable Gas Oven, No. 143; manufactured by the Exhibitors. Price 15s.

7200—"Sun Dial" Portable Gas Oven, No. 145; manufactured by the Exhibitors. Price £1 3s.

7201—Set of Cooking Utensils, for Use on Gas Cooking Stoves; manufactured by the Exhibitors. Price £1 8s. 9d.

7202—"Sun Dial" Gas Heating Stove, with Billing's Patent Reflector, No. 60½; manufactured by the Exhibitors. Price £4 5s.

7203—"Sun Dial" Gas Heating Stove, with Billing's Patent Reflector, No. 65½; manufactured by the Exhibitors. Price £3 10s.

7204—"Sun Dial" Gas Heating Stove, with Billing's Patent Reflector, No. 55½; manufactured by the Exhibitors. Price £3 2s.

7205—"Sun Dial" Gas Heating Stove, with Billing's Patent Reflector, No. 59½; manufactured by the Exhibitors. Price £2 12s.

7206—"Sun Dial" Gas Heating Stove, with Billing's Patent Reflector, No. 54½; manufactured by the Exhibitors. Price £2 10s.

7207—"Sun Dial" Gas Heating Stove, with Billing's Patent Reflector, No. 58½; manufactured by the Exhibitors. Price £1 17s.

7208—"Sun Dial" Gas Heating Stove, with Billing's Patent Reflector, No. 51½; manufactured by the Exhibitors. Price £1 8s.

7209—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 30; manufactured by the Exhibitors. Price £5.

7210—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 23; manufactured by the Exhibitors. Price £4 4s.

7211—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 22; manufactured by the Exhibitors. Price £3 11s.

7212—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 60; manufactured by the Exhibitors. Price £3 5s.

7213—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 65; manufactured by the Exhibitors. Price £2 15s.

7214—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 55; manufactured by the Exhibitors. Price £2 10s.

7215—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 57; manufactured by the Exhibitors. Price £2 2s.

7216—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 24; manufactured by the Exhibitors. Price £2 2s.

7217—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 59; manufactured by the Exhibitors. Price £2.

7218—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 54; manufactured by the Exhibitors. Price £2 2s.

7219—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 52; manufactured by the Exhibitors. Price £1 10s.

7220—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 62; manufactured by the Exhibitors. Price £1 6s.

7221—"Sun Dial" Gas Heating Stove, with Copper Reflector, No. 51; manufactured by the Exhibitors. Price £1.

7222—"Sun Dial" Gas Heating Stove, with Copper Reflector, with Muller on Top for Publican's Use, No. 53; manufactured by the Exhibitors. Price £12 12s.

7223—"Sun Dial" White Enamelled Terra-Cotta Gas Heating Stove, with Copper Reflector, No. 302; manufactured by the Exhibitors. Price £6 6s.

7224—"Sun Dial" White Enamelled Terra-Cotta Gas Heating Stove, with Copper Reflector, No. 307; manufactured by the Exhibitors. Price £8 5s.

7225—"Sun Dial" Green Enamelled Terra-Cotta Gas Heating Stove, with Copper Reflector, No. 307 A; manufactured by the Exhibitors. Price £4.

7226—"Sun Dial" Gas Conservatory Coil and Boiler, No. 191; manufactured by the Exhibitors. Price £7.

7227—Funnel Shape Sun Burner, 10-In. Cone with 6 Jets, No. 1; manufactured by the Exhibitors. Price £1 18s.

7228—Funnel Shape Sun Burner, 14-In. Cone, 12 Jets, No. 1; manufactured by the Exhibitors. Price £3 15s.

7229—Funnel Shape Sun Burner, 18-In. Cone, 42 Jets, No. 1; manufactured by the Exhibitors. Price £6.

7230—Bell Shape Sun Burner, with Tall Inner and Outer Cones and Corona (16 In.) No. 3; manufactured by the Exhibitors. Price £10.

7231—Thermometer, with Brass Repoussé Back, in Fancy Case; manufactured by the Exhibitors. Price £1 2s. 6d.

Stand No. 307.—*Thomas Haynes and Sons, of 227, 229, and 231, Edgware Road, London, W.*

Article 7232—Assortment of Patent Circular-Front Cooking Ranges; manufactured by the Exhibitors. Price from £9 10s. each.

7233—Patent Steam Closet, with Two Steam Kettles for Use with Patent Circular-Front Ranges; manufactured by the Exhibitors. Price from £14.

7234—Assortment of Milner and other Patent Slow-Combustion Grates; manufactured by the Exhibitors. Price from £1 15s. each.

7235—Bath, with Best Lever Taps and Wash Basin En Suite; manufactured by the Exhibitors. Price from £40.

7236—Assortment of Patent Hydronettes; manufactured by the Exhibitors. Price from 12s. 6d. each.

7237—Assortment of Patent Hydrons; manufactured by the Exhibitors. Price from £2 each.

7238—Assortment of Patent Waterbringers; manufactured by the Exhibitors. Price from £1 5s. each.

7239—Assortment of Patent Regina Syringes; manufactured by the Exhibitors. Price from 5s. each.

7240—Assortment of American Iron Pumps; manufactured by the Exhibitors. Price from 14s. each.

7241—Miscellaneous Assortment of Horticultural Implements; comprising Hose in Lengths, Hose Fittings, Hose Coilers, &c. See printed price lists.

Stand No. 308.—*W. Summerscales and Sons, of
Coney Lane Mills, Keighley, Yorkshire.*

Article 7242—Washing, Wringing, and Mangling Machine, No. 17; manufactured by the Exhibitors. Price £7 7s.

7243—Washing, Wringing, and Mangling Machine, No. 19; manufactured by the Exhibitors. Price £8 8s.

7244—Washing, Wringing, and Mangling Machine, No. 19 B; manufactured by the Exhibitors. Price £20.

7245—Washing, Wringing, and Mangling Machine, No. 1, Household Washer; manufactured by the Exhibitors. Price £5 10s.

7246—Washing, Wringing, and Mangling Machine, Back Spring; manufactured by the Exhibitors. Price £5 10s.

7247—Washing, Wringing, and Mangling Machine, No. 2, Top Spring; manufactured by the Exhibitors. Price £5 10s.

7248—Washing, Wringing, and Mangling Machine, No. 2, Back Spring; manufactured by the Exhibitors. Price £5 10s.

7249—Washing Machine, No. 3, Household Washer; manufactured by the Exhibitors. Price £4.

7250—Washing Machine, No. 4, Household Washer; manufactured by the Exhibitors. Price £4 5s.

7251—Washing, Wringing, and Mangling Machine, No. 2; manufactured by the Exhibitors. Price £5.

7252—Washing, Wringing, and Mangling Machine, No. 6; manufactured by the Exhibitors. Price £5 10s.

7253—Wringing and Mangling Machine, No. 31; manufactured by the Exhibitors. Price £2 10s.

7254—Wringing and Mangling Machine, No. 39; manufactured by the Exhibitors. Price £3.

7255—Wringing and Mangling Machine, No. 39, Hooped; manufactured by the Exhibitors. Price £3 5s.

7256—Wringing and Mangling Machine, No. 39 B; manufactured by the Exhibitors. Price £3 5s.

7257—Wringing and Mangling Machine, No. 39 B, Hooped; manufactured by the Exhibitors. Price £3 10s.

7258—Wringing and Mangling Machine, No. 7; manufactured by the Exhibitors. Price £3 10s.

7259—Wringing and Mangling Machine, No. 7, Hooped; manufactured by the Exhibitors. Price £3 15s.

7260—Wringing and Mangling Machine, No. 4; manufactured by the Exhibitors. Price £1 15s.

7261—Wringing and Mangling Machine, No. 11; manufactured by the Exhibitors. Price £3 5s.

7262—Wringing and Mangling Machine, No. 11, Hooped; manufactured by the Exhibitors. Price £3 10s.

7263—Wringing and Mangling Machine, No. 11 B; manufactured by the Exhibitors. Price £3 10s.

7264—Wringing and Mangling Machine, No. 11 B, Hooped; manufactured by the Exhibitors. Price £3 15s.

7265—Wringing and Mangling Machine, No. 8; manufactured by the Exhibitors. Price £3.

7266—Wringing and Mangling Machine, No. 34; manufactured by the Exhibitors. Price £3.

7267—Wringing and Mangling Machine, No. 34 B; manufactured by the Exhibitors. Price £3 5s.

7268—Wringing and Mangling Machine, No. 33; manufactured by the Exhibitors. Price £3.

7269—Wringing and Mangling Machine, No. 34 K; manufactured by the Exhibitors. Price £2 15s.

7270—Wringing and Mangling Machine, No. 39 K; manufactured by the Exhibitors. Price £3 7s. 6d.

7271—Wringing and Mangling Machine, No. 11 A; manufactured by the Exhibitors. Price £3 15s.

7272—Washing Machine, No. 16; manufactured by the Exhibitors. Price £5.

7273—Mangling Machine, No. 10; manufactured by the Exhibitors. Price £4 10s.

7274—Chaff Cutter, No. 2 B; manufactured by the Exhibitors. Price £2 15s.

7275—Chaff Cutter, No. 3; manufactured by the Exhibitors. Price £3.

7276—Chaff Cutter, No. 3 B; manufactured by the Exhibitors. Price £3 5s.

7277—Chaff Cutter, No. 2; manufactured by the Exhibitors. Price £2 10s.

7278—Bread Cutting Machine, No. 1; manufactured by the Exhibitors. Price £1 10s.

7279—Bread Cutting Machine, No. 2; manufactured by the Exhibitors. Price £1 15s.

7280—Bread Cutting Machine, No. 3; manufactured by the Exhibitors. Price £2.

7281—Bread Cutter, No. 4; manufactured by the Exhibitors. Price £2.

Stand No. 309.—*B. Hirst and Sons, of Halifax.*

Article 7282—Patent E Waterfall Washing Machine; manufactured by the Exhibitors. Price £8 8s.

7283—Patent H Waterfall Washing Machine; manufactured by the Exhibitors. Price £6.

7284—Patent B Washing Machine for Washing only; manufactured by the Exhibitors. Price £3 10s.

7285—Rinsing, Blueing, and Starching Trough, No. 1; manufactured by the Exhibitors. Price £1 10s.

7286—Lever Wringing and Mangling Machine, No. 14; manufactured by the Exhibitors. Price £3 5s.

7287—Patent Under-Spring Wringing and Mangling Machine, No. 18; manufactured by the Exhibitors. Price £2 7s.

7288—Patent Under-Spring Wringing and Mangling Machine, No. 19; manufactured by the Exhibitors. Price £2 10s.

7289—Patent Under-Spring Wringing and Mangling Machine, No. 20; manufactured by the Exhibitors. Price £3.

7290—Elliptical Spring Wringing and Mangling Machine, No. 22; manufactured by the Exhibitors. Price £2 8s.

7291—Elliptical Spring Wringing and Mangling Machine, No. 23; manufactured by the Exhibitors. Price £2 14s.

7292—Elliptical Spring Wringing and Mangling Machine, No. 24; manufactured by the Exhibitors. Price £3 5s.

7293—Lever Wringing and Mangling Machine, No. 27; manufactured by the Exhibitors. Price £3 5s.

7294—Lever Wringing and Mangling Machine, No. 28; manufactured by the Exhibitors. Price £3 15s.

7295—Lever Wringing and Mangling Machine, No. 30; manufactured by the Exhibitors. Price £3 5s.

7296—Lever Wringing and Mangling Machine, No. 32; manufactured by the Exhibitors. Price £3 15s.

7297—Lever Wringing and Mangling Machine, No. 32 A; manufactured by the Exhibitors. Price £4 5s.

7298—6-In. x L Lawn Mowing Machine; manufactured by the Exhibitors. Price £1 5s.

7299—8-In. x L Lawn Mowing Machine; manufactured by the Exhibitors. Price £1 15s.

7300—10-In. x L Lawn Mowing Machine; manufactured by the Exhibitors. Price £2 10s.

7301—10-In. New Coupling-Chain Lawn Mowing Machine; manufactured by the Exhibitors. Price £3 10s.

7302—10-In. New Gear-Wheel Lawn Mowing Machine; manufactured by the Exhibitors. Price £3 10s.

7303—10-In. "Charm" Lawn Mowing, Rolling, and Collecting Machine; manufactured by the Exhibitors. Price £3 10s.

7304—12-In. "Charm" Lawn Mowing, Rolling, and Collecting Machine; manufactured by the Exhibitors. Price £4 10s.

7305—14-In. "Charm" Lawn Mowing, Rolling, and Collecting Machine; manufactured by the Exhibitors. Price £5 10s.

7306—16-In. "Charm" Lawn Mowing, Rolling, and Collecting Machine; manufactured by the Exhibitors. Price £6 10s.

7307—18-In. "Charm" Lawn Mowing, Rolling, and Collecting Machine; manufactured by the Exhibitors. Price £7 10s.

7308—No. A 10-In. Improved India-Rubber Clothes Wringer; manufactured by the Exhibitors. Price £1 8s.

7309—No. B 12-In. Improved India-Rubber Clothes Wringer; manufactured by the Exhibitors. Price £1 15s.

7310—No. C 14-In. Improved India-Rubber Clothes Wringer; manufactured by the Exhibitors. Price £2 2s.

7311—No. D 16-In. Improved India-Rubber Clothes Wringer; manufactured by the Exhibitors. Price £2 12s.

7312—No. 37 Table Wringing and Mangling Machine; manufactured by the Exhibitors. Price £2 4s.

Stand No. 310.—*Gordon and Gotch, Australian and American Merchants, and General Advertising Agents, of 15, St. Bride Street, Ludgate Circus, London, E.C.*

Article 7313—New and Improved Hand Shuttle Sewing Machine, called the New Grover & Baker, No. 15; manufactured by the Domestic Sewing Machine Company, of New York. Price £4 4s. The "Easy Work-

ing, Durable." Has no cams nor gear wheels; large self-threading shuttle; easy to learn and work, and of simple construction.

7314—New and Improved Hand and Treadle Shuttle Sewing Machine, called the New Grover & Baker, No. 15, Speeded; manufactured by the Domestic Sewing Machine Company. Price £5 14s. Similar in construction to Article No. 7313, but adapted to work either by hand or by foot.

7315—New and Improved Treadle Shuttle Sewing Machine, No. 33, called the New Grover & Baker "Light Running" Shuttle Machine; manufactured by the Domestic Sewing Machine Company. Price £6 10s. Most perfect shuttle machine yet introduced: has self-setting and straight needle, loose pulley, self-threading and large shuttle, drop or extension leaf, self-adjusting tensions; nickel plated, and unequalled for light running.

7316—New and Improved Treadle Shuttle Sewing Machine, No. 30, Covered, called the New Grover & Baker "Light Running" Shuttle Machine; manufactured by the Domestic Sewing Machine Company. Price £7 10s. Similar in construction to Article No. 7315, but with patent bent wood walnut cover.

7317—New and Improved Treadle Shuttle Sewing Machine, No. 30, Covered, with Side Drawers, called the New Grover & Baker "Light Running" Shuttle Machine; manufactured by the Domestic Sewing Machine Company. Price £8 10s. Similar in construction to Article No. 7315, but with patent bent wood walnut cover, and 2 side drawers.

7318—New and Improved Treadle Shuttle Sewing Machine, No. 30, in Cabinet, called the New Grover & Baker "Light Running" Shuttle Machine; manufactured by the Domestic Sewing Machine Company. Price £13 13s. Similar in construction to Article No. 7315, but in handsome walnut cabinet, with cover and side drawers.

7319—Hand Sewing Machine, known as the No. 14 Grover & Baker Elastic Stitch; manufactured by the Domestic Sewing Machine Company. Price £4 10s. This machine makes the well known "double-lock" or "elastic" stitch, working direct from two ordinary spools of cotton, and thus dispensing with the re-winding of the under cotton.

7320—Combined Hand and Treadle Sewing Machine, known as the No. 14 Grover & Baker, Speeded; manufactured by the Domestic Sewing Machine Company. Price £6. Similar in construction to Article No. 7319, but adapted to work either by hand or by foot.

7321—Work Box Hand Sewing Machine, known as the No. 13 Plain Grover & Baker Elastic Stitch; manufactured by the Domestic Sewing Machine Company. Price £6 10s. Similar in construction to Article No. 7319, but works in a walnut box, and adapted either for home requirements or for travelling.

7322—Work Box Hand and Treadle Sewing Machine, known as the No. 13 Plated Grover & Baker, Speeded; manufactured by the Domestic Sewing Machine Company. Price £9. Similar in construction to Article No. 7319, but silver-plated, and adapted to work either by hand or by foot, and very convenient either for home requirements or for travelling.

7323—Treadle Sewing Machine, known as the No. 24 Grover & Baker Elastic Stitch; manufactured by the Domestic Sewing Machine Company. Price £8 8s. Similar in construction to Article No. 7319, but works on a table, and is adapted and designed for general family use, dress-makers, mantle-makers, &c.

7324—Treadle Sewing Machine, known as the No. 22 Silver-Plated Grover & Baker Elastic Stitch; manufactured by the Domestic Sewing Machine Company. Price £9 9s. Similar in construction to Article No. 7319, but silver-plated, and works on a half-case table, with cover and drawer.

7325—Treadle Sewing Machine, known as the No. 22 Silver-Plated Grover & Baker Elastic Stitch; manufactured by the Domestic Sewing Machine Company. Price £14 14s. Similar in construction to Article No. 7319, but silver-plated, and put up in handsome walnut cabinet, with cover and side drawers.

7326—10-In. Self-Adjusting Clothes Wringer; manufactured by the Eureka Wringer Company, of Boston, U.S.A. Price £1 5s. A most useful and serviceable machine, with self-adjusting steel elliptical springs, compact galvanized iron frame, best white rubber rollers; fits any tub or machine, of any size or shape, and is ready for use in an instant.

7327—11-In. Self-Adjusting Clothes Wringer; manufactured by the Eureka Wringer Company. Price £1 10s. Similar in construction to Article No. 7326, but of larger size.

7328—12-In. Self-Adjusting Clothes Wringer; manufactured by the Eureka Wringer Company. Price £1 15s. Similar in construction to Article No. 7326, but of extra large size.

Stand No. 311.—*Brooksbank and Watson, of the Eagle Works, Keighley, Yorkshire.*

Article 7329—People's Washer, No. 8, Combined Washing, Wringing, and Mangling Machine; manufactured by the Exhibitors. Price £8. On an entirely new principle, suitable for large establishments. The tub is lined with and the clothes are rubbed by wooden bars revolving inside, which constantly change the position of the clothes. The action is easily changed from washing to wringing. Rollers, 28 in. wide.

7330—People's Washer, No. 4, Combined Washing, Wringing, and Mangling Machine; manufactured by the Exhibitors. Price £7. On same principle as above. Rollers, 26 in. wide.

7331—People's Washer, No. 24, Combined Washing, Wringing, and Mangling Machine; manufactured by the Exhibitors. Price £6 10s. Similar to above. Rollers, 24 in. wide.

7332—People's Washer, No. 24, Combined Washing, Wringing, and Mangling Machine, with Lignum Vitæ Roller; manufactured by the Exhibitors. Price £7. On same principle as above. Rollers 24 in. wide.

7333—People's Washer, No. 15, Combined Washing, Wringing, and Mangling Machine; manufactured by the Exhibitors. Price £6. Similar to above. Suitable for family use. Rollers, 22½ in. wide.

7334—People's Washer, No. 15, Combined Washing, Wringing, and Mangling Machine, with Lignum Vitæ Bottom Roller; manufactured by the Exhibitors. Price £6 7s. 6d. Similar to above. Suitable for family use. Rollers 22½ in. wide.

7335—People's Washer, No. 8 B, Fitted up for Steam Power, with Improved Reversing Motion; manufactured by the Exhibitors. Price £25. Suitable for steam laundries and public wash-houses, hotels, &c.

7336—People's Washer, No. 15 A, with India-Rubber Wringer; manufactured by the Exhibitors. Price £6 10s. On the same principle for washing as above. Rollers 22 in. wide.

7337—Wringing and Mangling Machine, No. 1; manufactured by the Exhibitors. Price £2 17s. 6d.

7338—Wringing and Mangling Machine, No. 1 A, with Lignum Vitæ Bottom Roller; manufactured by the Exhibitors. Price £3 5s.

7339—Wringing and Mangling Machine, No. 18; manufactured by the Exhibitors. Price £2 10s.

7340—Wringing and Mangling Machine, No. 18 A; with Lignum Vitæ Bottom Roller; manufactured by the Exhibitors. Price £2 15s.

7341—Wringing and Mangling Machine, No. 20; manufactured by the Exhibitors. Price £3 5s.

7342—Wringing and Mangling Machine, No. 25; manufactured by the Exhibitors. Price £3 15s.

7343—Wringing and Mangling Machine, No. 33; manufactured by the Exhibitors. Price £2 10s.

7344—Wringing and Mangling Machine, No. 14 (Registered Design); manufactured by the Exhibitors. Price £2 10s.

7345—Wringing and Mangling Machine, No. 34; manufactured by the Exhibitors. Price £2 17s. 6d.

7346—Wringing and Mangling Machine, No. 34, with Lignum Vitæ Bottom Roller; manufactured by the Exhibitors. Price £3 5s.

7347—Wringing and Mangling Machine, No. 3 (Registered Design); manufactured by the Exhibitors. Price £2 17s. 6d.

7348—Wringing and Mangling Machine, No. 35; with Lignum Vitæ Bottom Roller; manufactured by the Exhibitors. Price £3 10s.

7349—Wringing and Mangling Machine, No. 36; manufactured by the Exhibitors. Price £3 15s.

7350—Wringing and Mangling Machine, No. 37, with Lignum Vitæ Bottom Roller; manufactured by the Exhibitors. Price £3 5s.

7351—Wringing and Mangling Machine, No. 9; manufactured by the Exhibitors. Price £2 17s. 6d.

7352—Wringing and Mangling Machine, No. 11; manufactured by the Exhibitors. Price £3 3s.

7353—Wringing and Mangling Machine, No. 27, may be affixed to Table or Dresser; manufactured by the Exhibitors. Price £2 5s.

7354—Chaff Cutter, No. 1, to Cut 2 Lengths; manufactured by the Exhibitors. Price £2 5s.

7355—Chaff Cutter, No. 2, to Cut 2 Lengths; manufactured by the Exhibitors. Price £2 7s. 6d.

7356—Chaff Cutter, No. 3, to Cut 2 Lengths and with Rising Mouth; manufactured by the Exhibitors. Price £2 15s.

Stand No. 312.—*J. W. Lazenby and Son, of Cromwell Road, Peterborough, Northamptonshire.*

Article 7357—(New Implement.)—Newly-Invented and Patented Dolly Washing Machine; manufactured by the Exhibitors. Price £4. A round tub stands on feet, to which is fastened 2 upright iron sides, which support a crank-shaft; attached to crank by a connecting rod is a bell-shaped wooden dolly, worked by fly-wheel fastened on crank-shaft, giving the dolly an up-and-down motion, pressing and thoroughly cleansing the clothes.

7358—(New Implement.)—Newly Invented and Patented Dolly Washing Machine; manufactured by the Exhibitors. Price £6 10s. An oval tub, standing on feet, to which is fastened 2 upright iron sides, which support a double crank-shaft; attached to the crank by connecting-rods are two bell-shaped wooden dollies, worked by a fly-wheel fastened on crank-shaft, giving the dollies an up-and-down motion and thoroughly cleansing the clothes.

Stand No. 313.—*Entwistle and Kenyon, of Eubank Works, Accrington, Lancashire.*

Article 7359—(*New Implement.*)—No. 2 “Cottage” Washer, with 20-In. Rollers, Brass-Capped; manufactured by the Exhibitors. Price £4 10s. This machine will wash at one time 2 blankets or 8 shirts; time required, 4 minutes. This is twice as much as many machines at £6 6s. will do.

7360—(*New Implement.*)—No. 3 “Cottage” Washer, with 24-In. Rollers, Brass-Capped; manufactured by the Exhibitors. Price £5 10s. Washes 4 blankets at once, that is, twice as much as many £8 8s. machines; eminently useful and convenient size.

7361—No. 2 B “Thorough” Washer, with Singleton’s Patent India-Rubber Wringer; manufactured by the Exhibitors. Price £5 15s.

7362—No. 3 B “Thorough” Washer, with Wringer and Mangle Combined; manufactured by the Exhibitors. Price £6 6s. A perfect machine; is an excellent washer and admirable mangle. Specially recommended for families whose washing is heavy.

7363—No. 6 B “Thorough” Washer, with Wringer and Mangle Combined; manufactured by the Exhibitors. Price £8 8s. Specially arranged for schools, hotels, &c.

7364—No. 9 B “Thorough” Washer, Large Extra Strong Machine; manufactured by the Exhibitors. Price £21. Driven by steam-power. Suitable for laundries, public baths, workhouses, public institutions, &c. Fitted with steam and water taps, and with reversing motion to rollers. Equal to other machines at £35 to £40.

7365—(*New Implement.*)—No. 1 J Riley’s Patent Joiners’ Bench Vice, with Instantaneous Grip; manufactured by the Exhibitors. Price 16s. Can be changed instantly from $\frac{1}{2}$ inch to 1 foot, or vice-versa, by $\frac{1}{2}$ turn of the handle. Fitted with Singleton’s improved bench hook. Grip certain. Slipping impossible. Soon saves its cost in economy of time.

7366—(*New Implement.*)—No. 1 E Riley’s Patent Engineers’ Vice, 4½-In Jaws, with Instantaneous Grip; manufactured by the Exhibitors. Price £2 10s. Will fasten instantly any size of work; stand any amount of hard usage. Grip certain. Slipping impossible. Cannot get out of order.

7367—(*New Implement.*)—No. 2 E Riley’s Patent Engineers’ Vice, 6-In. Jaws, with Instantaneous Grip; manufactured by the Exhibitors. Price £5. Similar in principle to the above.

7368—(*New Implement.*)—No. 1 S Riley’s Patent Engineers’ Vice, 4½-In Jaws, on Portable Stand with Wheels; manufactured by the Exhibitors. Price £6. With instantaneous grip as above.

7369—22-Gallon Farmers’ Portable Boiler, on Wheels, and with Funnel; manufactured by Smith and Wellstood, of Glasgow. Price £5.

Stand No. 314.—*Joseph Wilding, of Poulton-le-Fylde, Lancaster.*

Article 7370—(*New Implement.*)—Wilding’s Patent Swift Washer; manufactured by the Exhibitor. Price £1 15s. This patent washer is simple in construction, efficient in operation, and easy to work; it will wash all fabrics in domestic use without any hard rubbing, and will not injure the most delicate texture; can be fixed to washing tubs of any size or shape in ordinary use.

7371—Improved Wringing Machine; manufactured by the Exhibitor. Price £1 5s. Will wring any domestic article, from a pocket-handkerchief to a blanket, and will not break buttons; the fittings are of malleable iron, galvanized, with 10-in. india-rubber rollers.

7372—Improved Wringing Machine; manufactured by the Exhibitor. Price £1 10s. Similar in construction to the above, but with 12-in. india-rubber rollers.

7373—Patent Washing Apparatus; manufactured by the Exhibitor. Price £2 3s. 6d. Wilding's patent "Swift Washer," mounted on a 24-in. tub, made of seasoned oak, with galvanized-iron hoops and varnished; suitable for family use.

7374—Patent Washing Apparatus; manufactured by the Exhibitor. Price £2 6s. 6d. Wilding's patent "Swift Washer," similar to above; mounted on larger tub.

7375—Patent Washing Apparatus; manufactured by the Exhibitor. Price £2 7s. 6d. Wilding's patent "Swift Washer," mounted on oval tub made of teak and varnished, galvanized hoops and handles.

7376—Patent Washing Apparatus; manufactured by the Exhibitor. Price £2 10s. Wilding's patent "Swift Washer," similar to above, but mounted on larger tub.

7377—Patent Washing and Wringing Apparatus; manufactured by the Exhibitor. Price £3 8s. 6d. Wilding's patent "Swift Washer" and improved 10-in. wringer, mounted on a 24-in. round oak tub.

7378—Patent Washing and Wringing Apparatus; manufactured by the Exhibitor. Price £3 10s. 6d. Wilding's patent "Swift Washer" and improved 10-in. wringer, similar to above, but mounted on larger tub.

7379—Patent Washing and Wringing Apparatus; manufactured by the Exhibitor. Price £3 15s. Wilding's patent "Swift Washer" and improved 10-in. wringer, mounted on oval tub; this forms the most convenient and efficient arrangement for ordinary family use.

7380—Patent Washing and Wringing Apparatus; manufactured by the Exhibitor. Price £3 15s. 6d. Wilding's patent "Swift Washer" and improved 12-in. wringer, mounted on 26-in. round oak tub.

7381—Patent Washing and Wringing Apparatus; manufactured by the Exhibitor. Price £4. Wilding's patent "Swift Washer" and improved 12-in. wringer, mounted on large oval tub.

7382—Improved Wringing and Mangling Machine; manufactured by the Exhibitor. Price £3 5s. With adjustable compound lever and spring pressure, 24-in. rollers, and strong brass caps.

7383—Improved Wringing and Mangling Machine; manufactured by the Exhibitor. Price £3 15s. With lever and weight pressure, 26-in. rollers, and strong brass caps.

7384—Improved Wringing and Mangling Machine; manufactured by the Exhibitor. Price £3 5s. With top spring pressure, fitted with latest improvements, 24-in. rollers, and strong brass caps.

7385—Improved Wringing and Mangling Machine; manufactured by the Exhibitor. Price £3 5s. With lever and weight pressure, 24-in. rollers, and strong brass caps.

7386—Improved Water Filter No. 0; manufactured by the Exhibitor. Price 10s. 6d. Purifying 15 gallons per day. This filter effectually removes all colour, taste, or odour arising from decomposed organic matter, and renders the water passed through it sparkling, wholesome, and agreeable; it is rapid in action, and impossible to get out of order.

7387—Improved Water Filter, No. 1 ; manufactured by the Exhibitor. Price 15s. Purifying 24 gallons per day.

7388—Improved Water Filter, No. 2 ; manufactured by the Exhibitor. Price £1. Purifying 36 gallons per day.

7389—Improved Water Filter, No. 3 ; manufactured by the Exhibitor. Price £1 5s. Purifying 50 gallons per day.

7390—Improved Water Filter, No. 4 ; manufactured by the Exhibitor. Price £1 10s. Purifying 70 gallons per day.

7391—Improved Water Filter, No. 5 ; manufactured by the Exhibitor. Price £1 15s. Purifying 100 gallons per day.

Stand No. 315.—*Thomas Wolstencroft and Co., of 46, Ludgate Hill, London, E.C.*

Article 7392—"Empire" Washing Machine ; manufactured by the Exhibitors. Prices : No. 1, £1 10s. ; No. 2, £2 2s. ; No. 3, £2 10s. The "Empire Washer" is attached to the tub, and consists of four rollers, an endless band of stout canvas, two strong spiral springs, and handle. Two corrugated rollers, acting against each other, produce much the same effect that the knuckles would, whilst the band prevents the clothes from being torn.

7393—"Empire" Wringing Machine. Prices : size 3, £1 15s. ; size 5, £2 5s. ; 12-in. india-rubber wringer, £1 15s. The "Empire Wringer" is so contrived that it turns with half the labour of other wringers. The bearings never require oil, and the small sized machine is warranted to wring any article from a lace collar to a blanket. It is also found very useful as a mangle for towels, dinner napkins, &c.

7394—Mangling and Wringing Machine. Price £2 10s. This is a capital family machine with all the latest improvements ; 20-in. sycamore rollers, brass capped to prevent splitting. We can thoroughly recommend this article.

Stand No. 316.—*Harper Twelvetreves, of the Paragon Machine Works, Burdett Road, Bow, London ; and 40, Finsbury Circus, E.C.*

Article 7395—Patent "Villa" Washing Machine ; manufactured by the Exhibitor. Price £3 10s. Will wash ten shirts at a time ; adapted for small suburban kitchens.

7396—Patent "Villa" Washing, Wringing, and Mangling Machine Combined, No. 1 ; manufactured by the Exhibitor. Price £5 5s. Will do a fortnight's family wash in four hours without rubbing or boiling ; it occupies small space ; is simple, strong, and durable, and can be worked and managed by a girl twelve years old.

7397—Patent "Villa" Washing, Wringing, and Mangling Machine Combined, No. 1 A ; manufactured by the Exhibitor. Price £5 15s. Same as the above, but with extra fittings.

7398—Patent "Villa" Washing, Wringing, and Mangling Machine Combined, No. 2 ; manufactured by the Exhibitor. Price £6 6s. Same as No. 1, but larger ; the best size for large families and schools. Its washing power is tremendous, notwithstanding it is the easiest to work and manage of all combined machines.

7399—Patent Washing, Wringing, and Mangling Machine Combined; manufactured by the Exhibitor. Price £7 7s. For mansions, laundries, &c. Will wash 18 dozen collars or cuffs in ten minutes without hand-rubbing, or 60 hotel table-cloths in an hour, or 4,000 bed-room towels per week.

7400—Economical Family Washing Machine; manufactured by the Exhibitor. Price £1 1s. Will wash counterpanes, blankets, sheets, curtains, or anything in the family wash in one-third of the usual time without hand-rubbing.

7401—India-Rubber Portable Clothes Wringer, with Brass Cog-Wheels; manufactured by the Exhibitor. Price £1 10s. Will fasten on tubs of any size or shape, and wring out a week's wash for a family of eight persons in a few minutes.

7402—India-Rubber Portable Clothes Wringer, with Brass Cog-Wheels; manufactured by the Exhibitor. Price £2. The best size for large families and small laundries.

7403—India-Rubber Portable Clothes Wringer, with Brass Cog-Wheels; manufactured by the Exhibitor. Price £2 10s. The best size for schools, hotels, laundries, and public institutions.

7404—Villa Mangle, or Wringing and Mangling Machine Combined; manufactured by the Exhibitor. Price £2 10s. With screw and elliptic spring, and best selected well-seasoned sycamore rollers; 20 in. wide; occupy little space in small suburban kitchens.

7405—Patent Wringing and Mangling Machine Combined; manufactured by the Exhibitor. Price £3. With screw and elliptic spring; 24-in. rollers.

7406—Patent Wringing and Mangling Machine Combined; manufactured by the Exhibitor. Price £3 5s. With screw and elliptic spring; 26-in. rollers.

Stand No. 317.—*George Ingold, of Bishop Stortford, Hertfordshire.*

Article 7407—Cast-Iron Pump, with Copper Barrel for Liquid Manure; manufactured by the Exhibitor. Price £5 5s. Mounted on improved tripod stand, with 15 ft. of rubber suction hose, and strainer.

7408—6-In. Cast-Iron Pump, with Copper Barrel; manufactured by the Exhibitor. Price £7 2s. 6d. A powerful pump for farmyards, maltings, or brickfields, where large quantities of water are required. This and the following pumps are coated inside to prevent rust.

7409—5-In. Iron Pump, with Copper Barrel; manufactured by the Exhibitor. Price £6 6s. With high spout for filling carts, for water or liquid manure.

7410—4½-In. Iron Pump, with Copper Barrel; manufactured by the Exhibitor. Price £5 5s. Suitable for farmyards, maltings, &c.; may be fitted with two spouts if required.

7411—4-In. Iron Pump, with Copper Barrel; manufactured by the Exhibitor. Price £4 4s. A very useful yard pump.

7412—3½-In. Iron Pump, with Copper Barrel; manufactured by the Exhibitor. Price £3 10s. A similar pump to the above.

7413—3-In. Pump, with Copper Barrel; manufactured by the Exhibitor. Price £2 12s. 6d. A good cottage pump.

7414—3-In. Iron Pump, with Copper Barrel; manufactured by the Exhibitor. Price £2 5s.

7415—2½-In. Iron Pump, with Copper Barrel; manufactured by the Exhibitor. Price £1 16s. 6d.

7416—3-In. Iron Pump, with Copper Barrel; manufactured by the Exhibitor. Price £2 10s. Mounted on plank; a useful cottage pump.

7417—2½-In. Iron Pump; manufactured by the Exhibitor. Price £2 2s. Similar to the above.

7418—Cast-Iron Force Pump, with Copper Barrel; manufactured by the Exhibitor. Price £5 15s. Fitted with air vessel, door for access to valve, and gland stuffing box.

7419—3-In. Plunger Pump, with Air Vessel; manufactured by the Exhibitor. Price £2 15s. May be used as a garden engine.

7420—Cast-Iron Pump Case; manufactured by the Exhibitor. Price £3 18s. With 3½-in. barrel attached, making a high pump for water carts.

7421—Cast-Iron Pump Case, with 3½-In. Barrel; manufactured by the Exhibitor. Price £5 7s. 6d. Fitted with brass bucket and door for access to valve. Suitable for wells from 25 ft. to 60 ft. deep.

7422—Wrought-Iron Cattle Trough; manufactured by John Bellamy, of Millwall. Price £2 10s. To hold 75 gallons.

Stand No. 318.—*Messrs. J. Hughes and Sons, of 217, Great Dover Street, Borough, London, S.E.*

Article 7423—4-Ft. 6-In. Coprolite Runner; manufactured by the Exhibitors. Price £25.

7424—4-Ft. Best Brown Runner for English Wheats; manufactured by the Exhibitors. Price £15 10s.

7425—4-Ft. Best Blue Bedstone for Foreign Wheats; manufactured by the Exhibitors. Price £14 10s.

7426—4-Ft. Best French Bedstone for Barley; manufactured by the Exhibitors. Price £13 10s.

7427—4-Ft. Peak Runner for Cattle Food; manufactured by the Exhibitors. Price £5 10s.

7428—3-Ft. Newcastle Grindstone; manufactured by R. Atkinson and Co., of Newcastle-upon-Tyne. Price £1 1s.

7429—6-Bushel Truck A, 5-Bushel Truck A, 4-Bushel Truck A, Van Truck; manufactured by the Exhibitors. Price from 16s. to £1 7s. 6d.

7430—Best Drum Bushel Measure; manufactured by J. Watling, of East Road, City Road, London. Price £1 16s.

7431—Set of No. 4 Iron Bound Measures (Nested); manufactured by J. Watling. Price £2 17s.

7432—Disqualified—Informal Entry.

7433—5-Bushel Sack Holder; manufactured by the Exhibitors. Price £1 5s.

7434—4-Bushel Sack Holder; manufactured by the Exhibitors. Price £1.

7435—Assortment of Mill Bands (Leather), for Driving Purposes; manufactured by C. J. Edwards & Son, of Great Sutton Street, Clarksenwell, E.C. Price from 9d. to 12s. 6d. per foot.

Stand No. 319.—*John Thornton, of Worksop, Nottinghamshire.*

Article 7436—(*New Implement.*)—6' Sheet 50-In. Patent Non-Obstructing Silk Machine; manufactured by the Exhibitor. Price £65. This machine contains all recent improvements, the reel is almost exclusively of wrought-iron, and has no internal obstruction; is fitted with improved variable incline, by which means the dressing capacity can be regulated to the greatest nicety whilst the machine is working.

7437—(*New Implement.*)—Twin or Double Reel Machine, 40-in. each Reel, 4 Sheet Long; manufactured by the Exhibitor. Price £75. This machine contains 8 sheets silk in 2 reels, and is specially adapted for dressing a large quantity, being equal to 10 sheets of silk in ordinary reel. The advantage of this principle is keeping the silk of more uniform mesh than in a single long reel. Contains all improvements as above, fitted with improved hopper.

7438—Conical Offal Divider or Bran Duster; manufactured by the Exhibitor. Price £25. This machine has conical barrel 5 sheets long, revolving barrel with wire and brushes complete. Suitable for separating offals, bran dusting, &c., from either of the above silk machines.

Stand No. 320.—*John Warner and Sons, of Crescent Foundry, Cripplegate, London; and Foundry Works, Walton-on-the-Naze, Essex.*

Article 7439—(*New Implement.*)—4-Arm Cressy Colonial or Farm Windmill Pump, with Back Winding Tail and Canvas Sweeps with Pump; manufactured by the Exhibitors. Price £33. Can be worked by hand when needed for irrigation and farm water supply, for sheep or cattle runs, &c.; with timber supports.

7440—Warner's Improved Patent Self-Regulating and Winding Annular Sail Wind Engine; manufactured by the Exhibitors. Price £100. With 20-ft. diameter main-sail, vertical shaft and bevelled gear, improved back fan gear and timber supports; for pumping water for farms, villages, mansions, institutions, cattle runs, sheep runs, chaff-cutting, pulping, churning and general farm purposes. Larger sizes made for grinding, draining, &c.

7441—Warner's Improved Patent Self-Regulating and Windign Annular Sail Wind Engine; manufactured by the Exhibitors. Price £70. With 12 ft. diameter main sail with crank shaft, pump rod and pump, and timber supports; for raising water for farms, labourers' cottages, sheep runs, &c.

7442—Patent Turbine or Horizontal Water Wheel; manufactured by the Capron Water Wheel Co. of U. S. A. Price £30. Suitable for driving farm machinery or pumps.

7443—Treble Ram Horizontal Pony Power Pump with Gun-Metal Rams; manufactured by the Exhibitors. Price £40. Mounted on strong oak frame; suited for pumping water from streams, rivers, shallow wells, and tanks, for the water supply of farms, cottages, mansions, &c., or for pumping sewage from tanks on to sewage irrigation land.

7444—Treble Ram Horizontal Horse or Bullock Gear Pump; manufactured by the Exhibitors. Price £70. Mounted on strong oak frame with gun-metal rams; suited for villages and farm water supply as above.

7445—2-Horse Power Improved Combined Vertical Boiler and Horizontal Steam Engine; manufactured by the Exhibitors. Price £90. For pumping and general farm purposes. Mounted on strong bed with treble wrought-iron crank shaft, slings, guides, and strap heads complete; for pumping from deep or shallow wells, or for use for general farm purposes; with gearing, fly-wheel, water and steam gauges, feed pump, and test cocks.

7446—Working Model of an Improved Hand-Power Chain Pump; manufactured by the Exhibitors. Price, 3 in. diameter for 12-ft. well or tank, £6; 2 in. diameter for 12-ft. well or tank, £4 6s. Mounted in tanks for liquid manure, pits and tanks, wells, &c. For which prize medals have been awarded, R. A. S., Bury St. Edmund's 1867, Vienna 1873, &c.

7447—4-In. Diameter Working Model of an Improved Hand-Power Chain Pump; manufactured by the Exhibitors. Price £20. Mounted in cast-iron frame, with wrought-iron cistern head, and handle for two men; for 12 ft. deep.

7448—6-In. Diameter Working Model of an Improved Hand-Power Chain Pump; manufactured by the Exhibitors. Price £35. With cast-iron trough and spout, speed or gear wheels for horse-power; for raising liquid manure, for water or irrigation; for 12 ft. deep.

7449—No. 116 $4\frac{1}{2}$ -Barrel Galvanized Wrought-Iron Portable Force Pump on Tripod Stand; manufactured by the Exhibitors. Price £4 10s.; suction hose 2s. 8d. per foot extra. For raising liquid manure or water from tanks, streams, ponds, &c., into carts or on to the top of manure heaps, for filling water-carts, traction engines, or cleaning out boilers. A prize medal was awarded for this pump at Brabant, 1874.

7450—6-In. Barrel Galvanized Wrought-Iron Portable Force Pump on Tripod Stand; manufactured by the Exhibitors. Price £10; hose extra. An extra strong article.

7451—No. 117 Pump of same Description as Article No. 7450; made to Attach to Water or Manure Cart; manufactured by the Exhibitors. Price £4; suction hose, 2s. 8d.; delivery hose, 2s. per ft. extra.

7452—No. 113 $3\frac{3}{4}$ -In. Barrel Wrought-Iron Portable Manure or Water Pump, upon Strong Tripod Stand Complete with Union without Hose; manufactured by the Exhibitors. Price £2 14s.; suction hose 2s. 3d. per ft. extra.

7453— $4\frac{1}{2}$ -In. Wrought-Iron Portable Manure or Water Pump upon Strong Tripod Stand, Complete with Union without Hose. Price £3 3s.; suction hose 2s. 8d. per ft. extra. Ordinary and most useful size.

7454—Wrought-Iron Portable Manure or Water Pump, with Plinished Copper Barrel and Galvanized Wrought-Iron Stand; manufactured by the Exhibitors. Price £4 5s.; suction hose 2s. 8d. per ft. extra.

7455—Wrought-Iron Portable Manure or Water Cart, with 5-In. Galvanized Wrought-Iron Barrel; manufactured by the Exhibitors. Price £3 16s.; suction hose 3s. 6d. per ft. extra.

7456—Wrought-Iron Portable Manure or Water Cart, with 6-In. Galvanized Wrought-Iron Barrel; manufactured by the Exhibitors. Price £5 14s.; suction hose 4s. 2d. per ft. extra.

7457—Warner's No. 7 Extra Strong Horse Gear Frame, with Treble Wrought-Iron Crank, Slings, Guides, and Gun-Metal Bushed Strap Heads, Plummer Blocks and Pole, and Swingle for Pumping Water Supply to Farms, Estates, &c., &c., by Horse or Bullock Power, from Deep Wells; manufactured by the Exhibitors. Price £37 10s.

7458—No. 8 Warner's Extra Strong Horse Gear Frame, with Double Wrought-Iron Crank, &c., for Pumping from Deep Wells; manufactured by the Exhibitors. Price £34 5s.

7459—Warner's No. 9 Strong Horse Gear Frame, with Treble Wrought-Iron Crank, &c., for Deep Well Pumping; manufactured by the Exhibitors. Price £25 10s.

7460—Warner's Large Dome Gear Pony Frame, with Treble Wrought-Iron Crank for Well Pumping; manufactured by the Exhibitors. Price £17 5s.

7461—Warner's Small Dome Pony or Donkey Frame, with Treble Wrought-Iron Crank, &c., for Well Pumping; manufactured by the Exhibitors. Price £15 15s.

7462—Warner's Strong Treble Brass-Barrel Deep-Well Pump, with 4-In. Barrels, Drawn Copper Rods, Valve Doors, Turned Sockets, and Cotters; manufactured by the Exhibitors. Price £47 10s.

7463—Set of 3½-In. Barrel Deep-Well Pumps; manufactured by the Exhibitors. Price £34 15s.

7464—Set of 3-In. Barrel Deep-Well Pumps; manufactured by the Exhibitors. Price £29 5s.

7465—Set of 2½-In. Barrel Deep-Well Pumps; manufactured by the Exhibitors. Price £25 5s.

7466—Set of 2-In. Barrel Deep-Well Pumps; manufactured by the Exhibitors. Price £22 10s.

7467—Set of Double-Barrel 3½-In. Deep-Well Pumps; manufactured by the Exhibitors. Price £23.

7468—Set of 2½-In. Barrel Deep-Well Pumps; manufactured by the Exhibitors. Price £17 8s.

7469—Set of Ordinary Treble Brass-Barrel 3-In. Deep-Well Pumps; manufactured by the Exhibitors. Price £21 10s.

7470—Set of Double-Barrel 2½-In. Deep-Well Pumps; manufactured by the Exhibitors. Price £11.

7471—Warner's Strong Rotary-Pillar Engine Frame, No. 23, for Well-Pumping for Hand Power, with Fly-Wheel, Balance-Weight and Handle; manufactured by the Exhibitors. Price £6.

7472—Warner's Strong Rotary-Pillar Engine Frame, No. 20, for Well-Pumping for Hand Power, with Wrought-Iron Crank, Sling, and Guide; manufactured by the Exhibitors. Price £8 15s.

7473—Warner's Strong Cast-Iron Engine Frame, No. 24, for Hand Well-Pumping, with Single Wrought-Iron Crank; manufactured by the Exhibitors. Price £10 5s.

7474—Warner's Strong Engine Frame, No. 19, with Treble Wrought-Iron Crank, Fly-Wheel, and Handle for Hand Well-Pumping; manufactured by the Exhibitors. Price £24 15s.

7475—Warner's Strong Engine Frame, No. 26, with Double Wrought-Iron Crank, with Slings, Guides, and Gun-Metal Strap-Heads, and Double-Barrel, 3-In., Mounted therein, for Shallow Wells and Crank Handles; manufactured by the Exhibitors. Price £24 15s.

7476—Warner's Strong Cast-Iron Frame, No. 27, with Double Wrought-Iron Crank, Wheel and Pinion, Counter-Shaft, and Crank Handle for Deep Wells (Hand Pumping); manufactured by the Exhibitors. Price £20.

7477—Warner's Strong Cast-Iron Frame, No. 28, with Single Wrought-Iron Crank, &c.; manufactured by the Exhibitors. Price £19 10s.

7478—Warner's Portable Farmer's Force Pump, or Fire-Engine on Barrow, No. 219, with Section and Delivery Unions, Suction Rose, and Branch Pipe and Spreader, with 3-In. Cast-Iron Brass-Lined Barrel; manufactured by the Exhibitors. Price £7; suction hose, 2s. 6d.; delivery hose, 1s. 3½d. per foot extra.

7479—Warner's Strong Fluted Portable Force-Pump on Barrow, No. 219 A, for Manure, with Unions, Rose and Branch, and 4-In. Bored Barrel; manufactured by the Exhibitors. Price £6 10s.; suction hose, 2s. 6d.; delivery hose, 1s. 6½d. per foot extra.

7480—Warner's Fire-Engine, or Portable Pump on Barrow, No. 221, with Fittings as above; manufactured by the Exhibitors. Price £5; suction hose, 2s. 2d.; delivery hose, 1s. 3½d. per foot extra.

7481—Warner's Double-Action Fire-Engine, or Portable Pump on Barrow, No. 222, with Fittings as above; manufactured by the Exhibitors. Price £7 15s.; hose as above.

7482—Warner's Double-Action Horizontal Rotary Pump, mounted upon Oak Frame, with Wrought-Iron Crank Slings, Crank Handle and Fly-Wheel, with 6-Inch Barrels, for Pumping Manure, Dirty or Thick Liquids, by Hand Power or Wire Rope; manufactured by the Exhibitors. Price £22.

7483—Warner's Strong Cast-Iron Farm-Yard Pump, No. 82, with 3½-In. Bored Barrels. Made in sizes of 2½ In., 3 In., 3½ In., 4 In., 4½ In., and 5 In.; manufactured by the Exhibitors. Price £3.

7484—Warner's Farm-Yard Pump, No. 83, with 3-In. Bored Barrel. Made in Sizes of 2½ In., 3 In., 3½ In., and 4 In.; manufactured by the Exhibitors. Price £2 10s.

7485—Warner's Strong Cast-Iron Force-Pump, No. 107, for Shallow Wells; 3-In. Barrel. Made in Sizes 2½ In., 3 In., 3½ In., and 4 In.; manufactured by the Exhibitors. Price £4.

7486—Warner's 2½-In. "Atlas" Cottage Lift Pump for Wells; manufactured by the Exhibitors. Price 10s. 6d. Made in sizes, 2½ In., 3 In., and 3½ In.

7487—Warner's 3-In. "Atlas" Cottage Lift and Force-Pump for Shallow Wells, Fig. X, with Air-Vessel; manufactured by the Exhibitors. Price £2 17s. Made in sizes 2½ In. and 3 In.

7488—Warner's 2½-In. "Atlas" Cottage Lift and Force-Pump for Shallow Wells, Fig. X, without Air-Vessel; manufactured by the Exhibitors. Price £2. Made in sizes 2½ In. and 3 In.

Stand No. 321.—The Machinery and Hardware Exhibition and Agency (Limited), of 147, Queen Victoria Street, London, E.C.

Article 7489—(New Implement.)—Royal Reaper; Knife 4 Ft. 6 In. Long; Length from Seat to Outside of Framing, 10 Ft., with 4 Rakes. Unrivalled in Ease of Draught; unequalled in simplicity; manufactured by Green Bros., of Waterford, Ontario. Price £25. (For Trial.)

7490—(New Implement.)—10-Horse (Watts' Patent) Engine, with Governors, Two Fly-Wheels, Throttle, Valve, &c.; manufactured by Thomas C. Watts, of London. Price £55. (See *Machines in Motion*.)

7491—(*New Implement.*)—2-Horse Power Engine (Watts' Patent), with Governors Complete; manufactured by Thomas C. Watts. Price £23 5s. (*See Machines in Motion.*)

7492—Radial Drilling Machine; manufactured by Embleton and Co., of Leeds. Price £55.

7493—Machine for Refacing Valve-Seats of Agricultural Engines, without Removing the Cylinder; manufactured by Embleton and Co. Price £30.

7494—Screwing and Tapping Machine; manufactured by Embleton and Co. Price £40.

7495—Drilling Machine, to be Worked by Hand or Power; manufactured by Embleton and Co. Price £20.

7496—Wiles' Patent 8-In. Ring Governor, Suitable for Engines up to 10-Horse Power; manufactured by T. F. Wiles and Co., of London. Price £6.

7497—Wiles' Patent 12-In. Ring Governor; manufactured by T. F. Wiles and Co. Price £15.

7498—Wiles' Patent Ring Governor; manufactured by T. F. Wiles and Co. Price £40.

7499—Series of Wiles' Lock Nuts; manufactured by T. F. Wiles and Co. Price: Bright, $\frac{1}{2}$ in., 4s. 6d.; $\frac{3}{4}$ in., 5s.; $\frac{1}{2}$ in., 5s. 9d.; $\frac{3}{4}$ in., 6s. 9d.; 1 in., 8s. 3d.; $1\frac{1}{8}$ in., 10s. 3d.; $1\frac{1}{4}$ in., 13s.; $1\frac{1}{2}$ in., 16s.; $1\frac{3}{4}$ in., £1; $1\frac{1}{2}$ in., £1 11s.; 2 in., £2 6s. per dozen.

7500—3-Horse Power Engine and Boiler; manufactured by J. and T. Young, of Ayr, Scotland. Price £65. (*See Machines in Motion.*)

7501—Double Cheese-Press; manufactured by J. and T. Young. Price £5 15s.

7502—Single Cheese-Press; manufactured by J. and T. Young. Price £3 5s.

7503—Curd-Cutter; manufactured by J. and T. Young. Price £2 15s.

7504—Patent "Eclipse" Fan Forge, with Tool-Chest; manufactured by J. C. Onions and Co., of Birmingham. Price £6 1s.

7505—Patent Double-Blast Circular Bellows, 26 In.; manufactured by J. C. Onions and Co. Price £7 18s.

7506—Duckham's Patent Weighing Machine, to Weigh 5 Tons; manufactured by Duckham's Weighing Machine Company, of London. Price £24 10s.

7507—Samples of Leather Belting (American); manufactured by the Exhibitors. Price 3½d. per ft. for 1 in., to 12s. 1d. per ft. for 24 in.

7508—Power Drilling Machine, with Steel Spindle, Swing Table, &c.; manufactured by the Exhibitors. Price £7.

7509—6-In. Centre Lathe, Treadle Motion, 6-Ft. Gap Bed, Sliding and Screw-Cutting; manufactured by the Exhibitors. Price £25.

7510—Cleveland Bicycle, 50 In., with all the Latest Improvements; manufactured by the Exhibitors. Price £8.

7511—(*New Implement.*)—10-Horse Power Boiler (Cochran's Patent), with Horizontal Flue Tubes; manufactured by Cochran and Co., of Birkenhead. Price £87. Working pressure, 60 lbs. (*See Machines in Motion.*)

7512—Brass Injector, No. 4, of Simple Construction; adapted for Traction Engines, &c.; manufactured by Sharp, Stewart and Co., Limited, of Atlas Works, Manchester. Price £5 10s.

7513—Brass Injector (Standard Pattern), No. 3; manufactured by Sharp, Stewart, and Co., Limited. Price £5.

7514—Water-Lifter, for Filling the Tanks of Traction Engines, &c., from a Depth of 18 Ft.; manufactured by Sharp, Stewart, and Co., Limited. Price £1 10s.

7515—"Sellers'" Screwing Machine, Capable of Screwing Bolts up to 1 In. Diameter at One Cut without Running Back; manufactured by Sharp, Stewart, and Co., Limited. Price £54.

7516—Brass Injector (Standard Pattern), No. 8; manufactured by Sharp, Stewart, and Co., Limited. Price £13.

7517—Iron-Cased Injector (Standard Pattern), No. 8; manufactured by Sharp, Stewart, and Co., Limited. Price £9.

7518—Iron-Cased Injector, No. 8, with Nozzles Easily Removable for Cleaning without Detaching the Injector; manufactured by Sharp, Stewart, and Co., Limited. Price £8.

7519—Korting's Patent Injector, No. 4, for Working with Feed-Water, Heated to 150° Fahr.; manufactured by Sharp, Stewart, and Co., Limited. Price £8.

7520—Garden Roller, 24 In. by 24 In.; manufactured by Arthur Lowcock, of Shrewsbury. Price £4 2s. 6d.

7521—Barrel Churn; manufactured by Robinson and Richardson, of Kendal. Price £4 10s.

7522—Portable Forge, 26 In. Diameter; manufactured by J. C. Onions & Co., of Birmingham. Price £6 15s.

7523—Newly Designed Smiths' Hearth; manufactured by J. C. Onions & Co. Price £11.

7524—Potato Digging Machine; manufactured by Andrew Pollock, of Mauchline, N.B. Price £10 10s.

7525—Potato Riddler; manufactured by Andrew Pollock. Price £3.

7526—Light 2-Horse Mower, with 2 Knives; manufactured by Arthur Lowcock, of Shrewsbury. Price £18 10s.

7527—Power Chaff Cutter; manufactured by Arthur Lowcock. Price £19 16s.

7528—Double-Acting Ram Pump (Gillett's Patent), for Feeding a Boiler of 120-Horse Power; manufactured by Spencer & Gillett, of Melksham, Wilts. Price £50. (*See Machines in Motion.*)

7529—Single-Acting Ram Donkey Pump (Gillett's Patent), for Feeding a Boiler of 80-Horse Power; manufactured by Spencer and Gillett. Price £27. (*See Machines in Motion.*)

7530—Single-Acting Ram Donkey Pump (Gillett's Patent), for Feeding a Boiler of 40-Horse Power; manufactured by Spencer and Gillett. Price £20. (*See Machines in Motion.*)

7531—Single-Acting Ram Donkey Pump (Gillett's Patent), for Feeding a Boiler of 20-Horse Power; manufactured by Spencer and Gillett. Price £14. (*See Machines in Motion.*)

7532—2½-Horse Power Horizontal Engine and Boiler, on Cast-Iron Foundation Stand; manufactured by Ray, Mead & Co., of Upper Thames Street, London. Price £55. (*See Machines in Motion.*)

7533—2½-Horse Power Vertical Engine and Boiler, on Water Tank; manufactured by Ray, Mead & Co. Price £63. (*See Machines in Motion.*)

7534—3-Horse Power Vertical Multitubular Steam Boiler; manufactured by Ray, Mead & Co. Price £37. (*See Machines in Motion.*)

7535—4-Horse Power Steam Boiler (Vertical), with Cross Tubes; manufactured by Ray, Mead & Co. Price £53.

7536—36-In. Patent Perforated Circular Saw; manufactured by Taylor Bros., of Sheffield. Price £6.

7537—Cast-Steel Cross Cut Saw, 8 Ft.; manufactured by Taylor Bros. Price £1 19s.

7538—Millweb Saw, 6-In. Wide, 13 Gauge; manufactured by Taylor Bros. Price 3s. 11d. per ft., gross.

7539—Frame Saw, German Steel, 6 Ft.; manufactured by Taylor Bros. Price £1 2s.

7540—Single-Acting Ram Donkey Pump (Gillett's Patent), for Feeding a Boiler of 8-Horse Power; manufactured by Spencer and Gillett, of Melksham, Wilts. Price £9. (*See Machines in Motion.*)

7541—Lowry's Patent Champion Pump, with Air Vessel; will Pump 3375 Gallons per Hour; manufactured by Messrs. Lowry & Co., of Salford, Manchester. Price £15. (*See Machines in Motion.*)

7542—Casson's Patent Circular-Saw Bench, with Self-Acting Continuous Feed; manufactured by John McDowall & Sons, of Johnstone, near Glasgow. Price £125. (*See Machines in Motion.*)

7543—30-In. Endless-Band Saw, with Arrangement to Prevent Saws Breaking; manufactured by John McDowall & Sons. Price £55. (*See Machines in Motion.*)

7544—Durham's Patent Velometer, for Marine Engines; manufactured by Durham & Co., of London. Price £50.

7545—Durham's Patent Velometer, for Stationary Engines; manufactured by Durham & Co. Price £25.

7546—Single Drill Machine, to Sow Turnips and Mangold; manufactured by J. and T. Young, of Ayr, Scotland. Price £3 10s.

7547—Webster Patent Sack-Sewing Machine; manufactured by Ashbee & Gillespie, of London. Price £60. (*See Machines in Motion.*)

7548—Garden Engine, 25 Gallons; manufactured by Hydes & Wigfield, of Sheffield. Price £7 15s.

7549—3-In. Berryman Feed Water Heater; manufactured by J. Wright & Co., of Tipton. Price £32. (*See Machines in Motion.*)

Stand No. 322.—*Robert Maynard, of Whittlesford Works, Cambridge.*

Article 7550—Patent Portable Combined Steam-Power Sifting and Bagging Chaff Engine; manufactured by the Exhibitor. Price £52. Will cut straw to short chaff, sift the chaff from the cavings and dust, and put it into bags as fast as a steam machine can thrash it.

7551—Patent Portable Combined Steam Power Sifting and Bagging Chaff Engine; manufactured by the Exhibitor. Price £45. A similar machine to Article No. 7550, but not so powerful.

7552—Spare Knife Wheel, Fitted with 6 Knives; manufactured by the Exhibitor. Price £4. This, with the knives ready set, can be changed for that on Article No. 7550 in two minutes.

7553—Double-Action Powerful Oil Cake Breaker; manufactured by the Exhibitor. Price £10 5s. Suitable for either steam or hand power, and will crush any description of cake from 1 in. to 3½ in. thick.

7554—Portable Steam Engine, 8-Horse Power; manufactured by Fester and Co., of Lincoln. Price £210. Fitted with all requisites, and mounted on wood travelling wheels.

7555—Disqualified—Informal entry.

7556—13-Row Corn or Seed Drill; manufactured by the Exhibitor. Price £31 10s. Fitted with improved wood and iron sides combined, ensuring great strength with lightness.

7557—Patent Self-Acting Horse Rake; manufactured by the Exhibitor. Price £11. Made of wrought-iron and steel; effects a saving in cost of labour, it being workable by a small boy.

7558—Weighing Machine for Coals, &c., No. 21; manufactured by the Exhibitor. Price £2 12s. 6d.

7559—Steerage Horse Hoe; manufactured by the Exhibitor. Price £6 10s. A simple and very efficient implement, especially for turnips and beans.

Stand No. 323.—*Burney and Co., of Millwall Docks, London, E.*

Article 7560—Strong Wrought-Iron Cistern, 600 Gallons; manufactured by the Exhibitors. Price £6. These well known cisterns can be made any shape or size, and are absolutely wholesome and unaffected by weather.

7561—Strong Wrought-Iron Cistern, Galvanized after made, 500 Gallons; manufactured by the Exhibitors. Price £7 10s.

7562—Strong Wrought-Iron Cistern, Painted, 400 Gallons; manufactured by the Exhibitors. Price £4.

7563—Strong Wrought-Iron Cistern, 6 Ft. by 3 Ft. by 3 Ft., 336 Gallons; manufactured by the Exhibitors. Price £3 15s.

7564—Strong Wrought-Iron Cistern, 6 Ft. by 3 Ft. by 3 Ft., 336 Gallons, Galvanized; manufactured by the Exhibitors. Price £5 10s.

7565—Strong Wrought-Iron Cistern, 5 Ft. by 2 Ft. 3 In., by 3 Ft., 200 Gallons, Painted; manufactured by the Exhibitors. Price £3.

7566—Strong Wrought-Iron Cistern, 5 Ft. by 2 Ft. 3 In., by 3 Ft., 200 Gallons, Galvanized; manufactured by the Exhibitors. Price £4 10s.

7567—Strong Wrought-Iron Cistern, 4 Ft. by 2 Ft. by 3 Ft., 150 Gallons, Painted; manufactured by the Exhibitors. Price £2 10s.

7568—Strong Wrought-Iron Cistern, 4 Ft. by 2 Ft. by 3 Ft., 150 Gallons, Galvanized; manufactured by the Exhibitors. Price £3 15s.

7569—Strong Wrought-Iron Cistern, 100 Gallons, Painted; manufactured by the Exhibitors. Price £2.

7570—Galvanized Wrought-Iron Cistern, 100 Gallons; manufactured by the Exhibitors. Price 5d. per gallon. This and the three following sizes nest in each other to save freight, or room in a shop or warehouse when for sale.

7571—Galvanized Wrought-Iron Cistern, 75 Gallons; manufactured by the Exhibitors. Price 6d. per gallon.

7572—Galvanized Wrought-Iron Cistern, 50 Gallons; manufactured by the Exhibitors. Price 7d. per gallon.

7573—Galvanized Wrought-Iron Cistern, 30 Gallons; manufactured by the Exhibitors. Price 8d. per gallon.

7574—Galvanized Close Top Tank for Bath Purposes; manufactured by the Exhibitors. Price 7d. to 1s. 3d. per gallon.

7575—Galvanized-Iron Tank, for Oil or Spirit, 50 Gallons; manufactured by the Exhibitors. Price £2 15s.

7576—London Water-Cart Body, Strong Wrought Iron; manufactured by the Exhibitors. Price £6 10s.

7577—Farmers' Water or Liquid-Manure Cart Body, 200 Gallons; manufactured by the Exhibitors. Price £4 10s.

7578—Circular Drinking Pan for Cattle, with Safe Edge, 250 Gallons; manufactured by the Exhibitors. Price £4 10s.

7579—Circular Drinking Pan for Cattle, with Safe Edge, 175 Gallons; manufactured by the Exhibitors. Price £3 10s.

7580—Circular Drinking Pan for Cattle, with Safe Edge, 100 Gallons; manufactured by the Exhibitors. Price £2 10s.

7581—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 200 Gallons; manufactured by the Exhibitors. Price £4 10s. These articles are so well known that any remark is superfluous.

7582—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 150 Gallons; manufactured by the Exhibitors. Price £3 10s.

7583—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 125 Gallons; manufactured by the Exhibitors. Price £3.

7584—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 100 Gallons; manufactured by the Exhibitors. Price £2 10s.

7585—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 3 Ft. Long, 18 In. by 16 In. Deep; manufactured by the Exhibitors. Price £1 12s. 6d.; service box, 12s. 6d. extra.

7586—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 4 Ft. Long, 18 In. by 16 In. Deep; manufactured by the Exhibitors. Price £1 19s.

7587—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 5 Ft. Long, 18 In. by 16 In. Deep; manufactured by the Exhibitors. Price £2 6s. 6d.

7588—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 6 Ft. Long, 18 In. by 16 In. Deep; manufactured by the Exhibitors. Price £2 13s.

7589—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 7 Ft. Long, 18 In. by 16 In. Deep; manufactured by the Exhibitors. Price £3.

7590—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 8 Ft. Long, 18 In. by 16 In. Deep; manufactured by the Exhibitors. Price £3 6s. 6d.

7591—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 9 Ft. Long, 18 In. by 16 In. Deep; manufactured by the Exhibitors. Price £3 13s. 6d.

7592—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 3 Ft. Long, 18 In. by 13 In. Deep; manufactured by the Exhibitors. Price £1 7s. 6d.

7593—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 4 Ft. Long, 18 In. by 13 In. Deep; manufactured by the Exhibitors. Price £1 14s. 6d.

7594—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 5 Ft. Long, 18 In. by 13 In. Deep; manufactured by the Exhibitors. Price £2 1s.

7595—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 6 Ft. Long, 18 In. by 13 In. Deep; manufactured by the Exhibitors. Price £2 8s. 6d.

7596—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 7 Ft. Long, 18 In. by 13 In. Deep; manufactured by the Exhibitors. Price £2 15s. 6d.

7597—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 8 Ft. Long, 18 In. by 13 In. Deep; manufactured by the Exhibitors. Price £3 1s. 6d.

7598—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 9 Ft. Long, 18 In. by 13 In. Deep; manufactured by the Exhibitors. Price £3 8s.

7599—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 5 Ft. Long, 16 In. by 24 In. Deep; manufactured by the Exhibitors. Price £2 12s. 6d.

7600—Wrought-Iron Undamageable Cattle Trough, with Registered Safe Edge, 6 Ft. Long, 16 In. by 24 In. Deep; manufactured by the Exhibitors. Price £3 5s.

7601—Combined Sheep Feeding and Drinking Trough on Wheels; manufactured by the Exhibitors. Price £4.

7602—Moveable Trough on Wheels; manufactured by the Exhibitors. Price £2 5s.

7603—6-Ft. Moveable Trough on Wheels; manufactured by the Exhibitors. Price £3 5s.

7604—Strong Corn Bin, Holds 2 Quarters; manufactured by the Exhibitors. Price £3 10s.

7605—Strong Corn Bin, on Wheels, with Rain-Proof Cover for Field Use; manufactured by the Exhibitors. Price £4 10s.

7606—Strong Corn Bin, with Rounded Ends, Holds 1 Quarter; manufactured by the Exhibitors; Price £2 12s. 6d.; if grained, 5s. extra.

7607—Strong Sack Bin; manufactured by the Exhibitors. Price £4 10s. A very useful article to prevent loss, also damage by rats.

7608—Bin, useful for a Lock-up for Papers or Wine, &c.; manufactured by the Exhibitors. Price 12s. 6d.

7609—Bin, useful for a Lock-up for Papers or Wine, &c.; manufactured by the Exhibitors. Price £1 2s. 6d.

7610—Cylinder for Field Roll, of Strong Wrought-Iron; manufactured by the Exhibitors. Price 1s. 10d. per ft. super.

7611—400 Gallon Tank, Used for Biscuit in the Navy, also for Exporting Malt, &c.; manufactured by the Exhibitors. Price £2 15s.

7 12—400-Gallon Tank, Galvanized; manufactured by the Exhibitors. Price £5.

7613—200-Gallon Flour or Bread Tank; manufactured by the Exhibitors. Price £1 15s.

7614—Cargo Tank, Used for Packing Fruit, &c. Holds 32 Boxes Elmes; manufactured by the Exhibitors. Price £2 12s. 6d.

7615—Angular Ships' Tank, Can be Made to Fit any Part of Vessel; manufactured by the Exhibitors. Price 4d. to 6d. per gallon.

7616—Oil Tank, with Strong Cock, 12 Gallons; manufactured by the Exhibitors. Price £1.

7617—Oil Tank, with Strong Cock, 20 Gallons; manufactured by the Exhibitors. Price £1 5s.

7618—Strong Hog Trough, 4 Ft. Long (only made 4, 5 and 6 Ft.); manufactured by the Exhibitors. Price 4s. 6d. per ft. No hog can either overturn or break these.

7619—Strong Hog Trough, 5 Ft. Long; manufactured by the Exhibitors. Price 4s. 6d. per foot.

Stand No. 324.—George Cheavin, of Wide Bargate Filter Works, Boston, Lincolnshire.

Article 7620—Improved Patent Gold Medal Self-Cleaning Rapid Water Filter, No. 8; manufactured by the Exhibitor. Price £7 each. Secures rapid with perfect filtration, and the only one that can be cleaned by the user. Awarded the only Silver Medal by the R. A. S. E., Hull, 1873; also Grand Silver Medal by International Jury, Paris Exhibition, 1878, for peculiar merit and superior excellence, being the highest distinction and only award to filters.

7621—Improved Patent Gold Medal Self-Cleaning Rapid Water Filter, No. 7; manufactured by the Exhibitor. Price £6 each.

7622—Improved Patent Gold Medal Self-Cleaning Rapid Water Filter, No. 6; manufactured by the Exhibitor. Price £4 10s. each.

7623—Two x x Improved Patent Gold Medal Self-Cleaning Rapid Water Filters, No. 5; manufactured by the Exhibitor. Price £3 10s. each.

7624—Two A and B Improved Patent Gold Medal Self-Cleaning Rapid Water Filters, No. 4; manufactured by the Exhibitor. Price £2 10s. each.

7625—Two c and d Improved Patent Gold Medal Self-Cleaning Rapid Water Filters, No. 3; manufactured by the Exhibitor. Price £2 2s. each.

7626—Four E and F Improved Patent Gold Medal Self-Cleaning Rapid Water Filters, No. 2; manufactured by the Exhibitor. Price £1 15s. each.

7627—Six G and H Improved Patent Gold Medal Self-Cleaning Rapid Water Filters, No. 1; manufactured by the Exhibitor. Price £1 5s. each.

7628—Six I and J Improved Patent Gold Medal Self-Cleaning Rapid Water Filters, No. 0; manufactured by the Exhibitor. Price £6 17s. 6d. each.

7629—Six K and L Improved Patent Gold Medal Self-Cleaning Rapid Water Filters, No. 00; manufactured by the Exhibitor. Price 14s. each.

7630—M and N Improved Patent Gold Medal Self-Cleaning Rapid Water Filter, No. 000; manufactured by the Exhibitor. Price £6 10s. 6d. each.

7631—Six Assorted Sizes (1 to 6) of New Ornamental Refrigerator Filters; manufactured by the Exhibitor. Price £2 10s. each. Acts with remarkable power.

7632—Six Assorted Sizes (1 to 6) of New Ornamental Filters; manufactured by the Exhibitor. Price £2 15s. each. Manufactured in iron-stone china, richly decorated, very handsome.

7633—Twelve Assorted Sizes (1 to 12) Improved Syphon Filters; manufactured by the Exhibitor. Price £7 each. For travellers, emigrants, &c.

7634—(*New Implement.*)—New Rapid Self-Acting and Self-Cleaning Filter, No. 9; manufactured by the Exhibitor. Price £7. For agricultural purposes, brewers, soda and aerated water manufacturers, hotels, mansions, and all other purposes where large quantities of pure water are required. In strong wrought galvanized iron.

7635—New Rapid Self-Cleaning and Self-Acting Filter, No. 10; manufactured by the Exhibitor. Price £10. Same principle as Article No. 7634.

Stand No. 325.—*Lewis Olrick, of 27, Leadenhall Street, London, E.C.*

Article 7636—(*New Implement.*)—Patent Filter Press, with Pump, Mounted on Barrow; manufactured by the Exhibitor. Price £25. This filter press, being fixed on a barrow, can be wheeled up to a ditch containing dirty water with a lot of matter in suspension; the dirty water is then pumped through the filter, and arrives in a comparatively pure state in the trough from whence the cattle drink. (*For Trial.*)

7637—(*New Implement.*)—Patent Filter Press, with Water-Softening Apparatus Attached; manufactured by the Exhibitor. Price £50. This filter press is particularly applicable to places where exceedingly hard water exists, and by applying the water-softening apparatus, a great deal of saving of fuel and soap is obtained.

7638—(*New Implement.*)—Patent Filter Press, Principally Adapted for Agricultural Purposes; manufactured by the Exhibitor. Price £18. This filter is particularly adapted to places where water can only be obtained with a considerable amount of matter in suspension, as is often the case in agricultural districts. It efficiently removes all suspended matter in the water.

Stand No. 326.—*Slack and Brownlow, of Canning Works, Hulme, Manchester.*

Article 7639—(*New Implement.*)—New Double-Action Filter, with Perfect Cleansing Arrangement; manufactured by the Exhibitors. Price £1 5s. The Double-Action Filter is of great service for very impure water, and cannot possibly get out of order. Slack & Brownlow have gained the only award ever given by the E. A. S. E. for Domestic Filters.

7640—High-Pressure Filter, No. c, for Brewers, or Mineral Water Manufacturers; manufactured by the Exhibitors. Price £7 10s. The cleansing arrangement is most effective. Encrustation in steam boilers prevented; no attention required. Gold medal awarded at Manchester, 1874.

7641—High-Pressure Filter No. b, for Domestic Use; manufactured by the Exhibitors. Price £4 10s. This filter is extremely simple in construction, and can be connected with the main supply pipe or with a cistern. First Prize awarded at Santiago, 1876.

7642—High-Pressure Filter, No. A; manufactured by the Exhibitors. Price £2 2s. The great advantage of a continuous flow of pure water for domestic purposes without the trouble of filling the filter is obvious. Thirty silver medals awarded for superiority and excellence.

7643—Vase, a Filter, No. 000; manufactured by the Exhibitors. Price 6s. 6d. The purifying medium used is a specially prepared granulated charcoal (inorganic) of the very purest character.

7644—Vase, a Filter, No. 00; manufactured by the Exhibitors. Price 8s. 6d.

7645—Vase, a Filter, No. 0; manufactured by the Exhibitors. Price 12s.

7646—Vase, a Filter, No. 1; manufactured by the Exhibitors. Price 17s. 6d.

7647—Vase, a Filter, No. 2; manufactured by the Exhibitors. Price £1 1s. 6d.

7648—Vase, a Filter, No. 3; manufactured by the Exhibitors. Price £1 6s.

7649—Vase, a Filter, No. 4; manufactured by the Exhibitors. Price £1 11s.

7650—Vase, a Filter, No. 9; manufactured by the Exhibitors. Price £2 2s.

7651—Vase, a Filter, No. 12; manufactured by the Exhibitors. Price £3 3s.

7652—Vase, a Filter, No. 18; manufactured by the Exhibitors. Price £4 4s.

7653—Vase, a Filter, No. 24; manufactured by the Exhibitors. Price £5 5s.

7654—Pillar Filter, No. 1; manufactured by the Exhibitors. Price 9s. 6d. Slack & Brownlow's filters possess a continuous oxidising power.

7655—Pillar Filter, No. 2; manufactured by the Exhibitors. Price 13s. 6d.

7656—Pillar Filter, No. 3; manufactured by the Exhibitors. Price 18s. 6d.

7657—Pillar Filter, No. 4; manufactured by the Exhibitors. Price £1 3s.

7658—Pillar Filter, No. 5; manufactured by the Exhibitors. Price £1 8s. 6d.

7659—Glass Filter, A; manufactured by the Exhibitors. Price 4s. The charcoal block can be taken out of the filter and cleaned whenever necessary, or a new one substituted.

7660—Glass Filter, B; manufactured by the Exhibitors. Price 5s. 6d.

7661—Glass Filter, Engraved, A; manufactured by the Exhibitors. Price 5s. 6d.

7662—Glass Filter, Engraved, B; manufactured by the Exhibitors. Price 7s. 6d.

7663—Improved Glass Filter, Registered Patterns, A; manufactured by the Exhibitors. Price 5s. 6d.

7664—Improved Glass Filter, Registered Patterns, B; manufactured by the Exhibitors. Price 7s.

7665—Improved Glass Filter, Engraved, Registered Patterns, A ; manufactured by the Exhibitors. Price 7s. 6d.

7666—Improved Glass Filter, Engraved, Registered Designs, B ; manufactured by the Exhibitors. Price 9s. 6d.

7667—Richly Decorated Glass Dining-Room Filter ; manufactured by the Exhibitors. Price £3 5s. Each filter is fitted with a silver-plated tap, holds one gallon, and stands about 20 in. high.

7668—Terra-Cotta Dining-Room Filter, A ; manufactured by the Exhibitors. Price £2 2s.

7669—Marble Filter ; manufactured by the Exhibitors. Price £1 5s.

7670—Plain Porcelain Filter ; manufactured by the Exhibitors. Price £1 1s.

7671—Figured Porcelain Filter ; manufactured by the Exhibitors. Price £1 5s.

7672—Majolica Fern-Leaf Filter ; manufactured by the Exhibitors. Price £2 12s.

7673—Earthenware Wickered Ship Filter, No. 00 ; manufactured by the Exhibitors. Price 9s. 6d.

7674—Earthenware Wickered Ship Filter, No. 0 ; manufactured by the Exhibitors. Price 13s.

7675—Square Ship Filter, No. A ; manufactured by the Exhibitors. £1 10s.

7676—Pocket Filter ; manufactured by the Exhibitors. Price 1s. 6d. Similar to those supplied to the Ashantee expedition.

7677—New Iridescent Glass Dining-Room Filter ; manufactured by the Exhibitors. Price £3 10s.

Stand No. 327.—*Voice, Godfrey and Co., of 20, Broad Street, Bloomsbury, London, W.C.*

Article 7678—(*New Implement.*)—E. L. Voice's New Patent "Hydrostatic" Water Waste Preventer ; manufactured by the Exhibitors. Price 16s. This 2-gallon waste preventer is constructed to resist 400 feet pressure of water on the main, and can be made to resist any pressure above that by lengthening the pipe at top. Galvanized and fitted with union for iron or lead pipe.

7679—(*New Implement.*)—E. L. Voice's New Patent "Hydrostatic" Supply Valve for Urinals ; manufactured by the Exhibitors. Price £2 10s. Is caused to act by the weight of the user depressing an iron grating, and is so constructed that no water can run while the urinal is being used, but immediately after, and then only a certain quantity, which can be regulated. Price includes iron grating "hydrostatic" valve, and urinal complete.

7680—(*New Implement.*)—E. L. Voice's New Patent "Hydrostatic" Valve Seat-Action Closet ; manufactured by the Exhibitors. Price £2. An absolute water-waste preventer, as no water can run until after the closet has been used, and then only a certain quantity, which can be regulated. Class A, to resist 100 ft. ; Class B, 250 ft. pressure extra. Price includes hopper and trap, seat action apparatus, and valve.

7681—(*New Implement.*)—E. L. Voice's New Patent "Hydrostatic" Water-Waste Detector ; manufactured by the Exhibitors. Price

£1.1s. The object of this invention is to enable all who use it to have the constant supply to their premises. All water running from overflow pipes in different parts of buildings caused by leakage of valves, &c., is made to pass through this apparatus, which stops the supply; resists 400 ft. pressure.

7682—(*New Implement.*)—E. L. Voice's New Patent "Hydrostatic" Regulator and Waste Preventor Pan Closet; manufactured by the Exhibitors. Price £2 3s. Closet is arranged with combined regulator and waste-preventing valve, all which is fixed under seat; the advantage being, that however long the handle is held up, only sufficient water can run, when as soon as the handle is released, the water just seals the pan.

7683—(*New Implement.*)—E. L. Voice's New Patent "Hydrostatic" Liquid Meter; manufactured by the Exhibitors. Price £2 10s. A glass working model designed for accurately measuring various kinds of liquids, and based on the principle of the hydrostatic paradox. The above price is for meter constructed of galvanized iron.

7684—(*New Implement.*)—E. L. Voice's New Patent "Hydrostatic" Boiler Supply Valve; manufactured by the Exhibitors. Price 12s. The object of this invention is to dispense with the supply cistern and ball valve used for supplying kitchen boilers. The advantages are: compactness, easily repaired, and being small can be fixed in a few minutes. Class A will resist 60 ft. pressure; Class B, 100 ft. pressure extra.

Stand No. 328.—*Moule's Patent Earth Closet Company (Limited), of 5A, Garrick Street, Covent Garden, London, W.C.*

Article 7685—Earth Closet; manufactured by the Exhibitors. Price £2 14s. Commode, pull-out; in deal case, unvarnished; iron handle and iron rim. No. 1 in Company's List.

7686—Earth Closet; manufactured by the Exhibitors. Price £3 3s. Commode, pull-up (New Patent); in deal case, unvarnished; iron handle and iron rim. No. 2 in Company's List.

7687—Earth Closet; manufactured by the Exhibitors. Price £3 18s. Commode, pull-up (New Patent); in superior deal case, varnished; brass handle and earthenware rim. No. 4 in Company's List.

7688—Earth Closet; manufactured by the Exhibitors. Price £5 1s. Commode, pull-up (New Patent); in panelled deal case, varnished; best brass handle and earthenware rim. No. 6 in Company's List.

7689—Earth Closet; manufactured by the Exhibitors. Price £8 7s. 6d. Commode, pull-up (New Patent); in teak or mahogany case, French polished; very superior fittings. No. 10 in Company's List.

7690—Earth Closet; manufactured by the Exhibitors. Price £4 2s. 6d. Commode, called the "American Cabinet." The earth is thrown into the receptacle by the act of opening and closing the commode. In deal case, varnished.

7691—Earth Closet; manufactured by the Exhibitors. Price £1 15s. Apparatus for placing in closet, on bearers with seat, pull-out, iron rim and iron handle. No. 1 A in Company's List.

7692—Earth Closet; manufactured by the Exhibitors. Price £2 8s. 6d. Apparatus for placing in closet on bearers with seat, pull-up (New Patent); with iron rim and iron handle. No. 2 A in Company's List.

7693—Earth Closet; manufactured by the Exhibitors. Price £2 15s. 6d. Apparatus for placing in closet, on bearers with seat; self-acting (New Patent); with iron rim. No. 3 A in Company's List.

7694—Earth Closet; manufactured by the Exhibitors. Price £2 16s. 6d. Apparatus for placing in closet; on bearers with seat, pull-up (New Patent); with best brass handle and earthenware rim. No. 4 A in Company's List.

7695—Earth Closet; manufactured by the Exhibitors. Price £2 4s. Apparatus for fixing in closet; pull-up (New Patent); with best brass handle and earthenware rim. No. 4 in Company's List.

7696—Earth Closet; manufactured by the Exhibitors. Model apparatus for placing in closet; on bearers with seat; pull-up (New Patent); with best brass handle and urine-separating rim. (*Not for Sale*.)

7697—Earth Closet; manufactured by the Exhibitors. Price £3. Apparatus for placing in closet; on bearers, with seat. Self-acting (New Patent), with earthenware rim. No. 5 A in Company's List.

7698—Earth Closet; manufactured by the Exhibitors. Price £6. Apparatus for placing in closet, on bearers, with French polished teak or mahogany seat; pull-up (New Patent). Has a hinged valve beneath the seat, which opens when the handle is pulled up, and discharges contents down shaft or into other receptacle. When handle is returned, valve is closed, and a fresh layer of earth is distributed over it. No. 9 in Company's List.

7699—Earth Closet Receptacle; manufactured by the Exhibitors. Price 6s. A pail for use in closet; with and without cover; made of galvanized iron. Cover, 1s. 6d. extra.

7700—Earth Closet Receptacle; manufactured by the Exhibitors. Price 13s. 6d. A pail for use in closet; with and without cover; made of white earthenware. Always retaining a clean white interior. Cover, 1s. 6d. extra.

7701—Earth Closet Receptacle; manufactured by the Exhibitors. Price 8s. Called a "Commode Tank." Made of galvanized iron.

7702—Earth Closet Receptacle; manufactured by the Exhibitors. Price £1 4s. 6d. Called a "Broadmoor Tank," not on wheels. Made of galvanized iron, in an iron frame.

7703—Earth Closet Receptacle; manufactured by the Exhibitors. Price £1 10s. 6d. Called a "Broadmoor Tank," on wheels. Made of galvanized iron, in an iron frame.

7704—Earth Sifter; manufactured by the Exhibitors. Price 6s. For sifting earth for closet; useful also for separating ashes from cinders. Made of galvanized iron.

7705—Earth Sifter. Price £1 10s. For sifting earth and ashes; a very ingenious and simple automatic and dustless sifter. There are two drawers into which large and fine material are separated.

7706—Earth Drier; manufactured by the Exhibitors. Price £2 17s. 6d. Drying stove, small size. Portable, and will dry a cartload of earth per day. Useful also in the laundry.

7707—Earth Closet; manufactured by the Exhibitors. (*Not for Sale*.) Model showing a particularly simple and efficient mode of filling and emptying an upstairs closet from the ground-floor, by which the necessity of carrying the earth up and down stairs, or the attendant entering the house at any time, is avoided.

7708—**Earth Closets**; manufactured by the Exhibitors. (*Not for Sale*.) Full-size models of pull-up and self-acting out-door closets, showing method of fixing the apparatus.

7709—**Field's Patent Flush Tank**; manufactured by Doulton, of Lambeth. Price £1 10s. A simple and efficient trap, settling tank, and self-acting syphon, to afford a means of sub-irrigation, or to flush ordinary drains by means of the liquid sewage itself.

Stand No. 329. — The Sanitary Appliance Co.
(*Limited*), of *Factory Lane, Oldfield Road, Salford,*
Lancashire.

Article 7710—**Model of Morrell's Patent Cinder-Sifting Ash-Closet**; manufactured by the Exhibitors. Price £10. This system is applicable for gentlemen's houses, workmen's cottages, schools, and public institutions; ashes from the house fire are sifted; cinders saved for re-burning; the dust covers the soil, and renders it void of smell; a ready-made manure is produced; any dry material may be used; entirely self-acting.

7711—**Cinder-Sifting Closet, E**; manufactured by the Exhibitors. Price £3 10s. In complete working form. For fixing within building for use with movable soil-pan, or with vault; soil-pan to be removed, or vault emptied through door in side-wall of building.

7712—**Cinder-Sifting Closet, F**; manufactured by the Exhibitors. Price £3 12s. In complete working form. For use with movable soil-pan, to be removed through door in seat-riser. Applicable to any form of premises.

7713—**Portable Cinder-Sifting Ash-Closet M, with Soil-Pan**; manufactured by the Exhibitors. Price £1 17s. 6d. For use on ground-floors, in outbuilding, garden house, &c.; requires no fixing.

7714—**Cinder-Sifting Ash-Closet in Skeleton Form of E, F, or H**; manufactured by the Exhibitors. Price £3. Used where large numbers are applied.

7715—**Pitch-Pine Earth-Closet, with Pan and Cover**; manufactured by the Exhibitors. Price £4 4s. Construction very simple, and so that dust on distribution cannot cover the seat. For use in bedrooms, and chamber-floors.

7716—**Skeleton Earth-Closet**; manufactured by the Exhibitors. Price £1 1s. Can be fitted to any existing closet at a trifling cost.

7717—**Earth-Closet in Skeleton Frame**; manufactured by the Exhibitors. Price £1 10s. For use where large numbers are applied.

7718—**Ash-Closet Soil-Pan**; manufactured by the Exhibitors. Price 10s.

7719—**Earth-Closet Soil-Pan and Cover**; manufactured by the Exhibitors. Price 15s.

7720—**Apparatus for Sieving Ashes for Use with Earth-Closet**; manufactured by the Exhibitors. Price £1 7s. 6d.

7721—**Sample of Manure Produced from Use of Morrell's Patent Ash-Closet**; at the Exhibitors' works. Price 5s.

Stand No. 330.—*The Anti-Lithon Composition Co. (Limited), of 12, Lawrence Hill; Manufactory and Offices, Baldwin Street Chambers, Bristol.*

Article 7722—Anti-Lithon Boiler Composition; manufactured by the Exhibitors. Price £4 4s. per. cwt. For the prevention of incrustation in stationary, marine, and locomotive boilers; is a preventive against boiler explosions; preserves the plates and tubes, being compounded from pure vegetable extracts, entirely free from acids and alkali, and is also a great saver of fuel, costing only 4½d. per nominal horse-power per month.

Stand No. 331.—*Robert Hall, Veterinary Surgeon, M.R.C.V.S.L. and E., of Stockton-on-Tees, Durham.*

Article 7723—(*New Implement.*)—Sheep Dipping Apparatus; manufactured by the Exhibitor. Price £25. The advantages of the apparatus are: 1st, saving of labour, 3 men being able to dip 2,500 sheep in one day; 2nd, no handling of the sheep is required, hence there is no danger of injuring the sheep; 3rd, the men never come in contact with the liquor, which is a great improvement on the old system. (*For Trial.*)

7724—Collection Sample Tins and Drums of Hall's Sheep Dip; manufactured by the Exhibitor. Price 5s. per gallon; also in tins, price 2s. 6d., 5s., and 10s. When dissolved in either cold or warm water, is ready for use. It completely prevents and cures the scab, effectually destroys red lice, ticks, maggots, and all other parasites; prevents attacks of flies, and greatly improves the quality and increases the growth of wool. (*For Trial.*)

7725—Collection Sample Tins of Hoof Ointment for Horses' Feet; manufactured by the Exhibitor. Price 3s. 6d. and 7s. Most effectual in preventing and curing the following diseases: corns, sandcrack, shelly or brittle feet, false quarter, contraction, thrush, bruised soles, laminitis, or fever in the feet, and that most intractable morbid condition of the foot known as navicular disease. Used instead of stopping.

7726—Collection Sample Tins of Stable Soap for Washing Horses and Dogs, and other Purposes: manufactured by the Exhibitor. Price 2s. 6d. and 5s. tins. This soap is a medicated soda or hard soap, used instead of common soap, for washing horses' legs; it prevents and cures mud fever, or clayburn; also grease, cracked heels, itching, &c.; prevents and cures mange and all other skin diseases. For dogs it is invaluable.

7727—Collection Sample Bottles of Hall's Antiseptic Disinfectant; manufactured by the Exhibitor. Price 2s. 9d. This valuable antiseptic and disinfectant is specially prepared for internal as well as external use amongst animals and birds, for the prevention and cure of contagious, infectious, and other diseases; also invaluable as a lotion for all kinds of wounds, either amongst men or animals; is the cleanest household disinfectant in use.

Stand No. 332.—*B. and J. Brown and Co., of 39, Charlotte Street, Blackfriars, London, S.E.*

Article 7728—Samples of Patent Machine Oil Feeders; manufactured by the Exhibitors. Prices from 1s. to 3s. 6d. each.

7729—Samples of Patent Needle Lubricators. Prices from 8s. to £1 4s. per dozen.

7730—Samples of Tubular Boiler Brushes; manufactured by the Exhibitors. Prices from 2s. to 3s. 6d. each.

Stand No. 333.—*Arnold and Sons, Veterinary Instrument Makers by Appointment to Her Majesty's Government, &c., &c., of 35 and 36, West Smithfield, London.*

Article 7731—(*New Implement.*)—Arnold and Sons' Patent Simplex Garden Syringe; manufactured by the Exhibitors. Price £1 10s. They are easy to use, needing only one hand to work them. There is no packing on the piston, and so simple in construction, that it is almost impossible to get out of order.

7732—Cattle Probang; manufactured by the Exhibitors. Price £1 1s.

7733—Clyster Syringe; manufactured by the Exhibitors. Price £2 10s.

7734—Case of Sturdy Instruments; manufactured by the Exhibitors. Price £1 5s.

7735—Lamb Castrating Forceps; manufactured by the Exhibitors. Price 7s. 6d.

7736—Improved Trocar for Relieving Hoven Cattle; manufactured by the Exhibitors. Price 7s.

7737—General Assortment of Veterinary Instruments; manufactured by the Exhibitors. Prices various.

Stand No. 334.—*Simpson and Co., of 54, Chiswell Street, London, E.C.*

Article 7738—Samples of Simpson's Spice for Seasoning the Food of all Kinds of Animals; invented and manufactured solely by the Exhibitors. Price, in cwt. bags, £2 7s. 6d. per cwt.; in small packets, $\frac{1}{4}$ d. each; and in 1 lb. packets, 6d. each, net cash. The cheapest and most effective condiment in the market; it secures to the feeder every benefit possibly obtainable by the use of condiments, at one quarter the usual price.

7739—Samples of Simpson's Patent "Calfmeal"; invented and manufactured solely by the Exhibitors. Price, in cwt. bags, £1 per cwt.; in $\frac{1}{2}$ cwt. bags, 10s. 6d. each; in 14 lb. bags, 3s. 6d. each, net cash. Best artificial substitute for milk for calf rearing in the market; will take the place of milk to a greater extent, will rear the calves in finer condition, at smaller cost, and with less trouble than any other artificial food known. Is a safeguard against scour.

7740—One, Simpson's Improved Gruel Cooker; manufactured by the Exhibitors. Price £4 10s., net cash. In boiling gruel in this cooker no stirring is required, and the gruel cannot possibly burn. The cooker is easily portable, and useful for cooking all kinds of food, and also as an ordinary copper.

7741—Samples of Tucker's Patent Calf Feeders; manufactured by Tucker Brothers, of Ashburton. Price, with single teat, 7s.; with two teats, 12s. 6d. each.

Stand No. 335.—*William Clark, of 232, Oxford Street, London, W.*

Article 7742—Horse Clipper, No. 1; manufactured by the Exhibitor. Price 15s. 6d. This well-known instrument has been before the public for many years, and has given universal satisfaction.

7743—Horse Clipper, No. 2; manufactured by the Exhibitor. Price 15s. 6d. A one-handed machine for heads, ~~manes~~, quarters, and difficult parts, leaving one hand of the operator at liberty.

7744—Horse Clipper, No. 3; manufactured by the Exhibitor. Price 15s. 6d. A one-handed machine, but with coarser teeth, for legs, bellies, and coarse hair.

7745—Horse Clipper, No. 4; manufactured by the Exhibitor. Price 15s. 6d. A two-handed machine, with the patent grasshopper springs over the plates, which produce a softness and ease of motion not to be surpassed. These springs are also applied to Nos. 2 and 3.

7746—Horse Clipper, No. 5; manufactured by the Exhibitor. Price 15s. 6d. This machine has a third or pressure plate, which, bearing on the entire cutting portion, produces a soft and even motion.

7747—Sheep Shear, No. 6; manufactured by the Exhibitor. Price 15s. 6d. A one-handed machine, which does its work admirably, and cannot cut the animal; is also used for trimming cart horses' legs, &c.

7748—Sheep Shear; manufactured by the Exhibitor. Price 15s. 6d. A two-handed machine, with the patent grasshopper springs over the plates, same as applied to Nos. 2, 3, & 4.

7749—Horse Clipping and Sheep Shearing Apparatus; manufactured by the Exhibitor. Price 12 12s.; with one cutter only. This machine, easily worked by a boy, produces 2,560 cuts per minute; by the use of three extra rods and cutters four animals can be operated on at once, and in horse clipping two men may be employed upon the same animal at the same time.

Stand No. 336.—*W. H. Delano and Co., of* *4, Cheapside, London, E.C.*

Article 7750—Patent Disc Root Cutter, No. 1; manufactured for the Exhibitors. Price £1 17s. 6d. Mounted on iron frame and wood legs.

7751—Patent Disc Root Cutter, No. 2; manufactured for the Exhibitors. Price £2 10s. Similar to Article No. 7750, but larger and stronger.

7752—Collection of Sheep Shears, manufactured by Wilkinson and others, of Sheffield. Price 1s. 6d. to 8s. 6d.

7753—Patent Circular Horse Clipper; manufactured by Courtois, of Paris. Price 12s. 6d.

7754—Collection of Horse Clippers; manufactured by Desherdes and others, of Melun. Price 6s. 6d. to 15s. 6d.

7755—Collection of Horse Scrapers; manufactured by Blyde, of Sheffield. Price 1s. 6d. to 2s. 6d.

7756—Collection of Horse Trimming Scissors; manufactured by Blyde. Price 2s. to 8s. 6d.

7757—Patent "Selby" Flower and Fruit Gatherer; manufactured by Blyde. Price 3s. 6d. These scissors will cut and retain until purposely released 4 lb. weight.

7758—(New Implement.)—Patent "Aqua" Fruit Plucker; manufactured for the Exhibitors. Price 3s. 6d. With this implement an apple or pear can be gathered at any height without the use of a ladder.

7759—Combination Tool; manufactured by Blyde. Price 2s. This implement comprises a hoe, rake, fork, and spade.

Stand No. 337.—*Sharman and Ladbury, of Melton Mowbray, Leicestershire.*

Article 7760—Assortment of Drag Harrows, 3- and 4-Horse Duck-Foot Harrows and Seed Harrows; manufactured by the Exhibitors. Price £3 3s. to £5 5s.

7761—Assortment of Hand Drag Rakes, Twitch, Stubble and Hay Rakes; manufactured by the Exhibitors. Price 1s. 6d. to 16s.

7762—Assortment of Sack Trucks; manufactured by the Exhibitors. Price 14s. to £3 10s.

7763—Assortment of Corn Bins; manufactured by the Exhibitors. Price 16s. to £1 10s.

7764—Assortment of Poultry Bearing Coops and Feeding Runs; manufactured by the Exhibitors. Price 11s. to £2 5s.

7765—Assortment of Shepherd Dog Kennels; manufactured by the Exhibitors. Price £1 1s. to £5.

7766—Assortment of Poultry Feeders and Fountains; manufactured by the Exhibitors. Price 7s. 6d. to 18s.

Stand No. 338.—*Rogers Brothers, of Watford, Herts.*

Article 7767—Patent Omnium Self-Raking Reaping Machine; manufactured by Samuelson & Co., of Banbury. Price, with 2 sickles, £29. Fitted with lever for instantaneously raising or lowering the points of the fingers; patented draught arrangement for diminishing side draught; welded steel, practically indestructible fingers; also apparatus for controlling the rakes, whereby the sheaf may be carried on the platform while turning corners.

7768—Patent Balance Draught Grass Mowing Machine, "The Gem;" manufactured by Samuelson & Co. Price, with 2 sickles, £18 10s. With inclined cut. Fitted with new patent welded steel and iron fingers, and cutting on right hand of driver. This machine has a simple sickle-holder, rendering the changing of knives the work of a few seconds only.

7769—(New Implement.)—Favourite Lawn Mower; manufactured by Samuelson & Co. Price £5. To cut 14 in.; very light in draught and quiet in use, with either back or front delivery.

7770—Favourite Lawn Mower; manufactured by Samuelson & Co. Price £8. To cut 16 in.

7771—Automaton Lawn Mower; manufactured by Ransome, Sims, & Head, of Ipswich. Price £3 10s. To cut 10 in.

7772—Automaton Lawn Mower; manufactured by Ransome, Sims, & Head. Price £4 10s. To cut 12 in.

7773—Chaff Cutting Machine, No. 1 A; manufactured by the Exhibitors. Price £2 2s.

7774—Chaff Cutting Machine, B 2 x; manufactured by the Exhibitors. Price £3 5s. To cut 2 lengths; with extra large fly-wheel.

7775—Chaff Cutting Machine and Horse Gear, No. S E; manufactured by the Exhibitors. Price £20 2s. 6d. With 94-in. rising mouth-piece; solid tooth rollers; cuts 3 lengths; altered instantaneously; stop and reverse motion; and fitted with patent lever arrangement. No. 1, 1-horse gear fitted to above, complete.

7776—Boot-Cleaning Machine; manufactured by the Exhibitors. Price £3 3s. Suitable for schools, hotels, and gentlemen's houses.

7777—Hay-Weighing Machine; manufactured by the Exhibitors. Price £3 5s. For farmers' use.

7778—Meat-Weighing Machine; manufactured by the Exhibitors. Price £3 5s. Suitable for butchers, farmers, and asylums.

7779—Weighing Machine, on Wheels; manufactured by Fairbanks & Co., of America. Price £4 12s. 6d. For weighing sacks of corn up to 4 cwt.

7780—Dozen Patent Paxton Manure Forks; manufactured by Spear & Jackson, of Sheffield. Price £3 10s.

7781—Dozen Patent Paxton Digging Forks; manufactured by Spear & Jackson. Price £3 6s.

7782—Dozen Patent Paxton Spades; manufactured by Spear & Jackson. Price £3 2s.

7783—Bundle of 2 Dozen Patent American Manure Forks; Price from £2 17s. to £3 6s. per dozen.

7784—Bundle of about 3 Dozen Assorted Patent American Hay Forks. Price from 19s. to £1 6s. per dozen.

7785—Assortment of Screw Spanners for Agricultural Implements, Carts, &c. Price from 2s. 6d. to 10s. 6d. each.

7786—Assortment of Files for Sharpening Machine Knives; Price from 7s. 6d. per dozen.

7787—Paint Mixing Mill, No. 1; manufactured by the Exhibitors. Price £2 10s. For the use of farmers.

7788—Paint Mixing Mill, No. 2; manufactured by the Exhibitors. Price £4. For the use of farmers.

7789—Phoenix Paint Mill; manufactured by the Exhibitors. Price 15s. For the use of farmers.

7790—Grindstone. Price £2 6s. 24 In. diameter; for farmers' use in the field, mounted on wheels.

7791—Grindstone; manufactured by the Exhibitors. Price £3 5s. Mounted on iron frame; 26-in. stone, 4 in. thick; for grinding machine knives.

7792—Grindstone; manufactured by the Exhibitors. Price £2. Mounted on wood frame, with treadle; stone 26 in. diameter.

7793—The Paragon Lawn Tennis, Complete in Box; manufactured by the Exhibitors. Price, No. 1, £1 8s. 6d.; No. 2, £2; No. 3, £2 14s. 6d.; No. 4, £3 12s.; No. 5, the club set, 4 superior bats, 12 regulation balls, 2 portable poles, 30 ft. white net, in box, £4 10s.

7794—Set of Paragon Croquet; manufactured by the Exhibitors. Price £2 2s. No. 10, club set. Made in sets from 10s. 6d. to £2 15s., including box.

7795—Garden Chairs, a Variety; manufactured by the Exhibitors. Price from 7s. 6d. to £1 each.

7796—Garden Seats, Various; manufactured by the Exhibitors. Price from 15s. to £2 15s.

7797—Hand Trucks, Various; manufactured by the Exhibitors. Price from 10s. to 16s. For farmers and millers.

7798—Wire Netting, Sundry, 50-Yard Rolls. Price from 3d. per yard. Rabbit and hare proof.

- 7799**—Garden Arch, Painted. Price 10s. 6d. each.
- 7800**—2 Garden Arches, Galvanized. Price £1 1s. and £1 10s.
- 7801**—Pig Troughs, Various; manufactured by the Exhibitors. Price from 7s. 6d. to £1 5s.
- 7802**—Poultry Troughs, Various; manufactured by the Exhibitors. Price from 18s. to £2 10s. per doz.
- 7803**—Wrought-Iron Cattle Trough, 4 Ft., Painted; manufactured by the Exhibitors. Price £1 10s. Made any size to 8 ft.
- 7804**—Wrought-Iron Cattle Trough, 5 Ft., Galvanized; manufactured by the Exhibitors. Price £3 5s. Made any size to 8 ft.
- 7805**—Wrought-Iron Cattle Trough, 6 Ft., Painted; manufactured by the Exhibitors. Price £2. Made any size to 8 ft.
- 7806**—Assortment of Field Gates; manufactured by the Exhibitors. Price £1 10s. to £4.
- 7807**—Assortment of Wicket Gates; manufactured by the Exhibitors. Price from 12s. to £3.
- 7808**—Assortment of Sample Wire Fence; manufactured by the Exhibitors. Price from 11d. to 1s. 6d. per yard.
- 7809**—Assortment of Continuous Iron Fencing; manufactured by the Exhibitors. Price from 1s. 9d. to 2s. 8d. per yard.
- 7810**—Assortment of Wrought-Iron Hurdles; manufactured by the Exhibitors. Price from 3s. 6d. to 10s. each.
- 7811**—Assortment of Garden Tables; manufactured by the Exhibitors. Price from 12s. to £1 5s.
- 7812**—Samples of Machinery and Other Oils. Price from 1s. per gallon.
- 7813**—No. 5 15-Tooth Hay and Barley Collector, 9 Ft. 6 In. Wide. Price £2.
- 7814**—Harvest Rake. Price £2 2s.
- 7815**—Painted Iron Garden Barrow; manufactured by the Exhibitors. Price £1 15s. Made of wrought-iron, riveted, and strong.
- 7816**—Bicycle, 54 In., "The Premier," D HF, with Patent Brake; manufactured by Hillman and Herbert, of Coventry. Price £16 10s.
- 7817**—Tricycle, "The Premier," 48-In.; manufactured by Hillman and Herbert. Price £17.
- 7818**—Garden Engine, 16 Gallons; manufactured by Warner & Co., of London. Price £3 15s.
- 7819**—Swing Water Barrow; manufactured by the Exhibitors. Price £2 18s. 6d. Galvanized after made; to hold 30 gallons.
- 7820**—Hose Reel; manufactured by the Exhibitors. Price £1 5s. Invaluable where a quantity of hose is used for watering gardens.
- 7821**—Aquaject. Price £2 2s. For watering greenhouses or wall fruit.
- 7822**—Stable Pump, No. 21 x. Price £1 15s.
- 7823**—Stable Pump, No. 22 x. Price £2 2s.
- 7824**—Portable Liquid Manure Pump, with 10 Ft. of 2-In. India-Rubber Hose. Price £3 15s.
- 7825**—Portable Liquid Manure Pump, No. 18 A, with 10 Ft. of 2-In. India-Rubber Hose. Price £3.

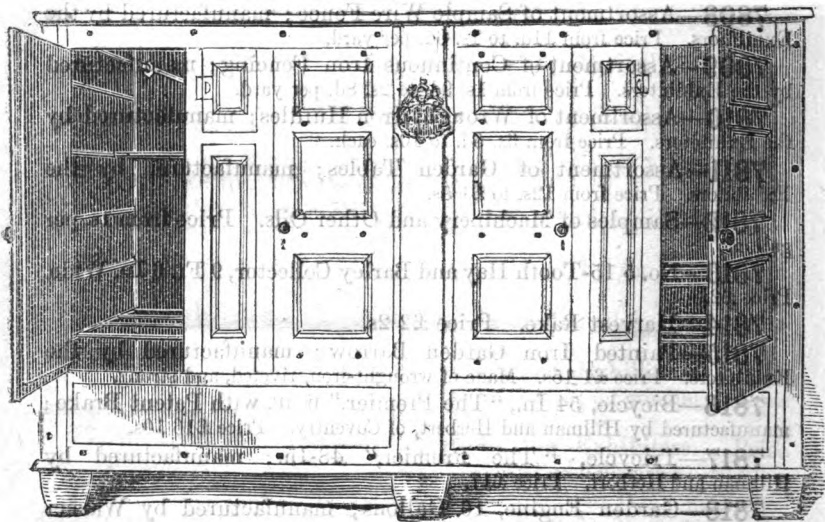
7826—Irrigation Pump, with Hose Complete. Price £3 15s.

7827—Dozen of Assorted Farm Shovels. Price from £1 10s. to £2 10s. per dozen.

7828—Machine Knife Sharpener; manufactured by Roberts & Co., of Deanshanger. Price 18s. 6d.

Stand No. 339.—*George Kent, of 199, 200, and 201, High Holborn, London, W.C.*

Article 7829—Kent's Patent Ventilated Butchers' Ice Safe, Size 10 Ft.; manufactured by the Exhibitor. Price £85. Lined with slate, fitted with ice rack, galvanized rods, and spring latch locks. This safe to receive the two hind and two fore quarters of beef, likewise four carcasses of mutton, slaughtered not less than 14 days prior to the Exhibition being opened. Competing for the £25 Prize offered by the Society.



7830—Kent's Patent Ventilated Butchers' Ice Safe, Size 8 Ft.; manufactured by the Exhibitor. Price £65.

7831—Kent's Patent Ventilated Butchers' Ice Safe, Size 7 Ft.; manufactured by the Exhibitor. Price £45.

7832—Kent's Patent Ventilated Butchers' Ice Safe, Size 5 Ft.; manufactured by the Exhibitor. Price £45.

7833—Kent's Patent Ventilated Butchers' Ice Safe, Size 4 Ft.; manufactured by the Exhibitor. Price £35.

7834—Kent's Patent Ventilated Butchers' Ice Safe, Size 3 Ft. 6 In.; manufactured by the Exhibitor. Price £25.

7835—Kent's Patent Ventilated Butchers' Refrigerator, Size 6 Ft.; manufactured by the Exhibitor. Price £25.

7836—Kent's Patent Ventilated Poulterers' Refrigerator, Size 6 Ft.; manufactured by the Exhibitor. Price £25.

7837—Kent's Patent Ventilated Dairymen's Refrigerator, Size 4 Ft.; manufactured by the Exhibitor. Price £12 10s. Butchers, poulterers, and dairymen never suffer loss in any season who use the above ice safe. A perfectly dry atmosphere is always maintained, as a current of refrigerated dry air is constantly passing through, which in its passage takes up and carries off all moisture.

7838—Kent's Patent Six Minute Churn, Size No. 5; manufactured by the Exhibitor. Price £1 7s. 6d. Will make butter from cream in three minutes, and from milk in six minutes.

7839—Kent's Patent Six Minute Churn, Size No. 4; manufactured by the Exhibitor. Price £1 3s.

7840—Kent's Patent Six Minute Churn, Size No. 3; manufactured by the Exhibitor. Price £1 1s.

7841—Kent's Patent Six Minute Churn, Size No. 2; manufactured by the Exhibitor. Price 19s.

7842—Kent's Patent Six Minute Churn, Size No. 1; manufactured by the Exhibitor. Price 17s.

7843—Kent's Patent Six Minute Churn, Size No. 000; manufactured by the Exhibitor. Price 14s.

7844—Kent's Patent Six Minute Churn, Size No. 00; manufactured by the Exhibitor. Price 12s.

7845—Kent's Patent Six Minute Churn, Size No. 0; manufactured by the Exhibitor. Price 10s. 6d.

7846—"Johnson" Lawn Mower, Size 14 In.; manufactured by the Johnson Lawn Mower Co., of New York, U. S. Price £2 10s. Is half the price of any other mower; will cut long thick, old, dry, and tough grass; will cut twice as much grass as any other mower, and will last years without repairs.

7847—"Johnson" Lawn Mower, Size 12 In.; manufactured by the Johnson Lawn Mower Co. Price £2 2s. 6d.

7848—"Johnson" Lawn Mower, Size 10 In.; manufactured by the Johnson Lawn Mower Co. Price £1 15s.

7849—"Johnson" Lawn Mower, Size 8 In.; manufactured by the Johnson Lawn Mower Co. Price £1 7s.

7850—Kent's Ordinary Refrigerator, Size No. 1; manufactured by the Exhibitor. Price £3 3s. For iceing wines, soda and seltzer waters.

7851—Kent's Patent Ventilated Refrigerator, Size No. 1; manufactured by the Exhibitor. Price £4 4s.

7852—Kent's Patent Ventilated Refrigerator, Size No. 3; manufactured by the Exhibitor. Price £6 6s.

7853—Kent's Patent Ventilated Refrigerator, Size No. 6; manufactured by the Exhibitor. Price £9 15s.

7854—Kent's Improved Patent Ventilated Refrigerator, Size No. 2; manufactured by the Exhibitor. Price £5 15s.

7855—Kent's Improved Patent Ventilated Refrigerator, Size No. 4; manufactured by the Exhibitor. Price £9 15s. These ventilated refrigerators produce results hitherto considered unattainable. Fresh provisions kept perfectly sweet; flavour retained; condition improved; rolled paste and jellies cooled; effervescing waters, wines, &c., iced.

7856—Kent's Patent Restaurant Ice Safe, Size 3 Ft.; manufactured by the Exhibitor. Price £15.

7857—Kent's Patent Improved Ventilated Cabinet Ice Safe, Size No. 1; manufactured by the Exhibitor. Price £12.

7858—Kent's Patent Ventilated Cabinet Ice Safe, Size No. 1; manufactured by the Exhibitor. Price £11.

7859—Kent's Patent Ventilated Exhibit Ice Safe, Size No. 1; manufactured by the Exhibitor. Price £11.

7860—Kent's Improved Monroe's Patent Egg Beaters; manufactured by the Exhibitor. Price 3s. 6d. and 5s. Specially adapted for mixing small quantities of eggs and egg mixtures, and for whipping creams.

7861—Griffith's Patent Compound Mixing Machine; manufactured by the Exhibitor. Price £15 15s. Suitable for manufacturers of liquid and semi-liquid compounds.

7862—Griffith's Patent Compound Whisk, Size No. 7; manufactured by the Exhibitor. Price £7 5s.

7863—Griffith's Patent Compound Whisk, Size No. 6; manufactured by the Exhibitor. Price £5 10s.

7864—Griffith's Patent Compound Whisk, Size No. 5; manufactured by the Exhibitor. Price £4.

7865—Griffith's Patent Compound Whisk, Size No. 4; manufactured by the Exhibitor. Price £3 5s.

7866—Griffith's Patent Compound Whisk, Size No. 3; manufactured by the Exhibitor. Price £2 5s.

7867—Griffith's Patent Compound Whisk, Size No. 2; manufactured by the Exhibitor. Price £1 12s.

7868—Griffith's Patent Compound Whisk, Size No. 1; manufactured by the Exhibitor. Price £1 1s. These whisks are suitable for cooks, confectioners, and private families, for beating up eggs and all kinds of egg mixtures and batter.

7869—Kent's Patent Washing Machine; manufactured by the Exhibitor. Price £2 10s.

7870—Kent's Patent Washing Machine, with Wringer, Size No. 1; manufactured by the Exhibitor. Price £4 15s.

7871—Kent's Patent Washing Machine, with Wringer, Size No. 2; manufactured by the Exhibitor. Price £6 15s. These machines are recommended as being the nearest approach to washing by hand of anything yet invented, and in effect it equals the best hand-washing, without the possibility of injuring even the finest fabrics.

7872—Kent's Patent Adjustable Clothes Wringer, Size No. 1; manufactured by the Exhibitor. Price £1 10s.

7873—Kent's Patent Adjustable Clothes Wringer, Size No. 2; manufactured by the Exhibitor. Price £2 10s.

7874—Kent's Revolving Clothes Dryer; manufactured by the Exhibitor. Price £1 10s.

7875—Kent's Portable Mangle, Size No. 3. Price £4 5s.

7876—Kent's Portable Mangle, Size No. 2. Price £3 5s.

7877—Kent's Portable Mangle, Size No. 1. Price £2 15s.

7878—Kent's Improved Ascension Water Filter, Size No. 6; manufactured by the Exhibitor. Price £1 10s.

7879—Kent's Improved Ascension Water Filter, Size No. 4; manufactured by the Exhibitor. Price £1 5s.

7880—Kent's Improved Ascension Water Filter, Size No. 3; manufactured by the Exhibitor. Price 19s. 6d.

7881—Kent's Improved Ascension Water Filter, Size No. 2; manufactured by the Exhibitor. Price 16s. 6d.

7882—Kent's Improved Ascension Water Filter, Size No. 1; manufactured by the Exhibitor. Price 13s. 6d. The special feature of these filters is the filtering medium (animal charcoal); is renewable at pleasure, and any of the chambers can be cleansed.

7883—Kent's Patent Sausage and Mincing Machine, Size No. 3; manufactured by the Exhibitor. Price 18s. 6d.

7884—Kent's Patent Sausage and Mincing Machine, Size No. 2; manufactured by the Exhibitor. Price 13s. 6d.

7885—Kent's Patent Sausage and Mincing Machine, Size No. 1; manufactured by the Exhibitor. Price 8s. 6d. These mincers are the best, strongest, and cheapest yet introduced.

7886—Kent's Patent Rotary Potato Masher, Size No. 3; manufactured by the Exhibitors. Price £3 3s.

7887—Kent's Patent Rotary Potato Masher, Size No. 2; manufactured by the Exhibitor. Price £1 1s.

7888—Kent's Patent Rotary Potato Masher, Size No. 1; manufactured by the Exhibitor. Price 12s. 6d. Potatoes can be instantly mashed more finely and perfectly than by any other means; also grates bread and other culinary materials with equal perfection and rapidity.

7889—Bread Slicer. Price £2.

7890—Bread Slicer. Price £1 10s. These machines will cut bread, meat, &c., as thin as paper, or as thick as required.

7891—Rotary Slicer; manufactured by the Exhibitor. Price 3s. 6d. This machine rapidly and thinly slices potatoes for frying, &c.; also for slicing cucumbers, carrots, and other vegetables.

7892—Kent's New Patent Marmalade and Vegetable Cutter; manufactured by the Exhibitor. Price £2 10s. This machine is ingeniously and beautifully contrived for cutting orange-peel for marmalade, or for slicing fruit or vegetables to any degree of thinness.

7893—Kent's Patent Universal Iron; manufactured by the Exhibitors. Price 15s. This simple iron forms, by merely changing its position, a smoothing iron, band iron, glossing iron, and fluting or goffering iron. Four distinct kinds of work are therefore performed with it in a more perfect manner than by any other iron in use.

7894—Family Freezing Machine; manufactured by Carré of Paris. Price £14 3s. 6d. Cream ices, water ices, and pure ice made in three minutes, or will reduce the temperature of water or wines to any required degree of coldness.

7895—Horizontal Freezing Machine. Price £1 15s. Will make ice-creams or water ices in a few minutes, producing a smoothness and lightness in the cream never before attained.

7896—Kent's Rotary Knife-Cleaner, Improved Patent 1865 and 1870; Size, 10 Knives; manufactured by the Exhibitor. Price £14 14s.

7897—Kent's Rotary Knife-Cleaner, Improved Patent 1865 and 1870; Size, 8 Knives; manufactured by the Exhibitor. Price £10 10s.

7898—Kent's Rotary Knife-Cleaner, Improved Patent 1865 and 1870; Size, 6 Knives; manufactured by the Exhibitor. Price £7 10s.

7899—Kent's Rotary Knife-Cleaner, Improved Patent 1865 and 1870; Size, 5 Knives; manufactured by the Exhibitor. Price £4 15s.

7900—Kent's Rotary Knife-Cleaner, Improved Patent 1865 and 1870; Size, 3 Knives; manufactured by the Exhibitor. Price £2 2s.

7901—Kent's Rotary Knife-Cleaner, Original Patent; Size, 9 Knives; manufactured by the Exhibitor. Price £9 8s.

7902—Kent's Rotary Knife-Cleaner, Original Patent; Size, 7 Knives; manufactured by the Exhibitor. Price £7.

7903—Kent's Rotary Knife-Cleaner, Original Patent; Size, 5 Knives; manufactured by the Exhibitor. Price £5.

7904—Kent's Rotary Knife-Cleaner, Original Patent; Size, 4 Knives; manufactured by the Exhibitor. Price £2.

7905—Kent's Rotary Knife-Cleaner, Original Patent; Size, 4 Knives; manufactured by the Exhibitor. Price £2 10s.

7906—Kent's Rotary Knife-Cleaner, Original Patent; Size, 3 Knives; manufactured by the Exhibitor. Price £1 12s. These machines have no equal, improve by use, and last a lifetime.

7907—Kent's Rotary Knife-Cleaner, Original Patent; Size, 3 Knives; manufactured by the Exhibitor. Price £2.

7908—Kent's Patent Miniature Refrigerator; manufactured by the Exhibitor. Price £1 5s.

7909—Kent's Patent Miniature Refrigerator; manufactured by the Exhibitor. Price 15s. Suitable for the bachelor or sick chamber, where ice, cold drinks, or any delicacy, at a trifling cost, is always at hand.

Stand No. 340.—*Frederick Orme and Co., of St. Andrew's Street, Holborn Viaduct, London, E.C.*

Article 7910—Bench Drilling Machine, 1 In. Price £8 5s.

7911—Bench Drilling Machine, $\frac{1}{2}$ In. Price £5.

7912—Bench Drilling Machine, $1\frac{1}{4}$ In. Price £10 10s.

7913—Bench Drilling Machine, $\frac{1}{2}$ In. Price £5 5s.

7914—Improved Tire Bending Machine, $3\frac{3}{4}$ In. by $\frac{7}{8}$ In. Price £6.

7915—Tire Bender, 5 In. Price £5.

7916—Improved Tire Bender, take in 6 In. full. Price £10 5s.

7917—Self-Centreing Wheel Boxing Machine. Price £5 10s.

7918—Self-Centreing Wheel Boxing Machine, Larger, for Sizes up to Waggon. Price £7.

7919—Morticing Machine, Complete with Chisels. Price £10.

7920—Morticing and Boring Machine, Complete; useful tool. Price £12.

7921—Spoke Tenoning and Fellow Boring Machine, Complete. Price £12.

7922—Ratchet and Bit Braces. Price, ratchet braces, 10s.; bit braces from 7s. to 10s. each.

- 7923**—Barrow Pump, Improved. Price £4 15s.
7924—Noiseless Blowing Fans, 10 In. Price £4.
7925—Brushes for Cleaning Boiler Tubes. Price 2s. 10d. each.
7926—Apple and Potato Parer. Price, apple parer, 3s. 6d.; potato parer, 5s. each.
7927—Brawn and Lard Presses. Price 12s. 6d. each.
7928—Combination Rule, Spirit Levels, Square and Plumb. Price 7s. 6d.
7929—Hollow Augers, Improved, $\frac{1}{2}$ In. to $1\frac{1}{2}$ In. Price £1 2s.
7930—Boring Machine, Self-Releasing, with Augers. Price £3 15s.
7931—Compound Drilling and Boring Machine for Coach-Builders. Price £1 7s.
7932—Darning Machine for Stockings, &c., a Novelty. Price £1 5s.
7933—Egg Beaters. Price 1s. 6d. each. Glass Cutters, Price 1s. each.
7934—Grindstones, Nova Scotia, Mounted for Hand and Foot. Price £2 2s.
7935—Liquid Manure Pumps, Mounted, 4 In. Price £2 18s. 6d.
7936—Farm-Yard Pumps, $2\frac{1}{2}$ In. Price 17s.
7937—Farm-Yard Cart Pumps, $8\frac{1}{2}$ In. Price £1 18s.
7938—Cottage and Stable Pumps, $2\frac{1}{2}$ In. Price 18s.; 3 in. £1 2s.
7939—Lift and Force Pumps. Price £3 15s.
7940—Garden Pump, Complete. Price £3 8s.
7941—Contractors' and Builders' Pumps, Complete. Price £2 18s.
7942—Portable Pump, Mounted on Legs. Price £1 15s.
7943—Post Hole Diggers, Improved, for Fencing. Price £1.
7944—Spanners, Improved. Price 5s. Spirit Levels, Assortment. Price 1s. 6d. each.
7945—Forges, American Fan Blowing, in Sizes. Price £6 each.
7946—Fruit, Lard, Jelly, and Sausage Presses. Price £1.
7947—Garden Tools for Ladies. Price 3s. 6d. the set of 4.
7948—Bolt or Rivet Croppers, Cut $\frac{3}{8}$ In. Price £1 14s. each.
7949—Hammers, American, Assortment. Price 1s. each. Joiners' Cramps. Price 7s. each.
7950—Gas Engine, Improved Patent; manufactured by Turner, of St. Alban's. Price £25. Size or power, one man; made also in sizes up to 10-horse power.
7951—Improved Knife Cleaner for Every Household. Price £1 10s.
7952—Lathes, American, for Amateurs, Combinations. Price £2 10s.
7953—Lifting Jacks, American. Price £1. American Vices, Price 11s. each.

7954—Mangles and Wringing Machines. Price £2 10s.

7955—American Meat and Vegetable Choppers. Price £1 10s.
Meat Saws. Price £2 5s.

7956—Oil Cans and Glass Lubricators. Price 1s. each.

7957—Improved Paint Mills for Mixing and Grinding. Price
£1 10s.

7958—Saw Bench, Circular and Bored Saw, Improved. Price
£24.

7959—American Screw Wrenches for Farming Implements.
Price 4s. each.

7960—Improved Sheet-Iron Shears, up to $\frac{1}{2}$ In. Price £3 15s.

7961—Washing Tray and Washer Complete. Price £2 12s. 6d.

7962—Air and Water Motor Engine; manufactured by
Graddon's Patent, of Barnes. Price £100. Will be the engine of the day.

7963—"Tanite" Saw Gummer, A A 10-In. by $\frac{1}{2}$ -In. Wheel. Price
£2 10s.

7964—"Tanite" Saw Gummer and Emery Wheel, A. Price
£3 1s. 9d.

7965—"Tanite" Emery Grinder, No. 1, Complete, and Wheel.
Price £6 3s. 6d.

7966—"Tanite" Emery Grinder, No. 2, Complete, and Wheel.
Price £10 5s. 10d.

7967—"Tanite" Table Grinder and Wheels. Price £15 8s. 9d.

7968—"Tanite" Emery Grinder and Wheels, No. 3. Price
£22 12s. 10d.

7969—"Tanite" Emery Grinder and Wheels, D. Price
£18 10s. 6d.

7970—"Tanite" Stove Plate Grinder and Wheel. Price
£30 17s. 6d.

7971—"Tanite" Densmore Saw Gummer and Wheel. Price
£15 8s. 9d.

7972—"Tanite" Seven-Wheel Grinder and Wheel. Price
£13 7s. 7d.

7973—"Tanite" Pony Planer and Wheel. Price £36 0s. 5d.

7974—"Tanite" Automatic Knife Grinder and Wheel. Price
£32 12s.

7975—"Tanite" Diamond Tools, 1 Set of 3: Lathe Tool, Hand
Tool and Boring Tool. Price £3 14s.

7976—Taylor's Speed Indicator. Price £1 4s. 8d.

7977—Davies' Speed Indicator. Price 10s. 4d.

Stand No. 341.—*James Taylor Barns, of Hercules Buildings, Lambeth, London, S.E.*

Article 7978—Wood Hoops, Straight and Coiled, $2\frac{1}{2}$ Ft. to 14 Ft.
Lengths; manufactured by the Exhibitor. Price 7s. to £7 per 1200 hoops.

7979—Oak Fencing; manufactured by the Exhibitor. Price
3s. to 10s. per yard.

7980—Oak Bark; sold by the Exhibitor. Price £5 to £7 10s.
per ton.

Stand No. 342.—*Thomas Duncombe Eagles, of 1, Joiners' Hall Buildings, Upper Thames Street, London.*

Article 7981—Circular-Saw Bench, No. 1, with Plain Fence and 28-In. Saw; manufactured by the Exhibitor. Price £13 2s.

7982—Circular-Saw Bench, No. o r 1, with Adjustable Turn-Over Fence and 28-In. Saw; manufactured by the Exhibitor. Price £15 7s.

7983—Circular-Saw Bench, No. 2, with 36-In. Saw; manufactured by the Exhibitor. Price £24.

7984—Combined Circular and Band-Sawing and Boring Machine, for Hand or Steam Power; manufactured by the Exhibitor. Price £28 10s. Has a rising and falling spindle, and supplied with one 22-in. circular saw, one band saw, and one boring auger, mitre-cutting and squaring-up slide, canting fence for cutting at any angle, adjustable boring table with parallel guide, fast and loose pulleys for steam, and two handles for hand power.

7985—Bench Drilling Machine, Single-Action, for Hand Power, with Adjustable Parallel Vice; manufactured by the Exhibitor. Price £5 15s.

7986—Double-Geared Drilling Machine, Self-Feeding Motion, for Hand or Power, with Adjustable Parallel Vice; manufactured by the Exhibitor. Price £8 10s.

7987—Double-Geared Powerful Drilling Machine, for Hand or Power, with Swing-Round Vice and Revolving Table; manufactured by the Exhibitor. Price £12 10s.

7988—Combined Boring and Morticing Machine; will Cut Mortices 6 In. deep; manufactured by the Exhibitor. Price £15 15s.

7989—Patent Steel Self-Acting Cask Stand, which Automatically Stoops the Cask as the Liquid is Drawn out; manufactured by W. Lockwood, of Sheffield. Price 10s. 6d.

7990—Patent Steel Self-Acting Cask Stand, Size No. 2; manufactured by W. Lockwood. Price 11s. 6d.

7991—Patent Steel Self-Acting Cask Stand, Size No. 3; manufactured by W. Lockwood. Price 12s. 6d.

7992—Sack Barrow, with Wood Body and Iron Wheels; manufactured by the Exhibitor. Price 12s. 6d.

7993—Sack Barrow, with Wood Wheels; manufactured by the Exhibitor. Price 12s. 6d.

7994—Sack or Warehouse Truck, with Wood Wheels; manufactured by the Exhibitor. Price 16s. 6d.

7995—Sack Hoist, to Lift 12 Ft.; manufactured by W. Eades, of Birmingham. Price £2 19s.

7996—Sack Hoist, to Lift 14 Ft.; manufactured by W. Eades, Price £3 3s.

7997—Sack Hoist, to Lift 14 Ft.; manufactured by the Exhibitor. Price £3 3s.

7998—Warehouse Hoist, to Lift 8 Cwt. 14 Ft.; manufactured by the Exhibitor. Price £3 16s. 6d.

7999—Patent Pulley Block, to Lift 5 Cwt. 12 Ft.; manufactured by W. Eades, of Birmingham. Price £1 16s. 6d.

8000—Patent Pulley Block, to Lift 10 Cwt. 12 Ft.; manufactured by W. Eades. Price £2 4s.

8001—Patent Pulley Block, to Lift 1 Ton 10 Ft.; manufactured by W. Eades. Price £3.

8002—Patent Pulley Block, to Lift 30 Cwt. 10 Ft.; manufactured by W. Eades. Price £3 13s. 4d.

8003—Patent Wrought-Iron Split Pulley, 2 Ft. Diameter, 6 In. Face; manufactured by Rogers, of Leeds. Price £1 12s.

8004—Patent Wrought-Iron Split Pulley, 18 In. Diameter; manufactured by Rogers. Price £1 4s.

8005—Patent Split Pulley, 16 In. Diameter; manufactured by Rogers. Price £1 1s. 6d.

8006—Circular Saw, 4 Ft. Diameter; manufactured for the Exhibitor by H. Beardshaw, of Sheffield. Price £8.

8007—Circular Saw, 42 In. Diameter; manufactured for the Exhibitor. Price £6 5s.

Stand No. 343.—*Hall and Co., of 6, Ludgate Arcade, Ludgate Hill, London, E.C.*

Article 8008—Morticing Machine, Hand Power, known as the "Royal"; manufactured by John Mark and Co., of Leeds. Price £12 12s. With complete set of 8 chisels, 3 core-drivers, and 2 spanners.

8009—Morticing Machine, Hand Power, King's Patent, No. 1; manufactured by the Exhibitors. Price £15 15s. With complete set of 8 chisels, 3 core-drivers, and 2 spanners, and additional attachment for driving core out of mortice,

8010—Morticing Machine, Hand Power, King's Patent, No. 2; manufactured by the Exhibitors. Price £13 10s. With set of 6 chisels, 2 core-drivers, and 2 spanners, and attachment for driving core out of mortice.

8011—Tenon-Cutter, King's Patent; manufactured by the Exhibitors. Price £3 3s. For single or double tenons, adjustable to any morticing machine.

8012—Mitre-Cutter, Bowman's Patent; manufactured by W. Bowman, of 14, Austin Road, Battersea Park Road, S.W. Price £3 10s.

8013—Joiner's Bench Cramp; manufactured by Tangye Bros., and Holman, of 35, Queen Victoria Street, London, E.C. Price £1 15s. The above will take in frame-work 4 ft. wide, and has a 4 ft. lengthening bar.

8014—Pair of Floor Cramps, known as "The Crown"; manufactured by John Walker, of 11, Edmund Street, Birmingham. Price £2 2s.

8015—Band Saw Machine; manufactured by W. and B. Haigh. Price £11 10s. For hand or steam power.

8016—Stand of Locks and Lock Furniture, &c.; manufactured by Various Makers. Price from 12s. 6d. to £3 per dozen.

Stand No. 344.—*Champion and Wilton, of 261, Oxford Street, London, W.*

Article 8017—Patent Hunting Saddle, for the Prevention of Sore Backs; manufactured by the Exhibitors. Price £7 17s. 6d. complete. This saddle possesses the following advantages over those made in the ordinary way, viz.: the patent lining does not get hard in wear; the horse's back is kept cool, and the pressure is evenly distributed, the result being perfect immunity from "sore back."

8018—Race Cantle Hunting Saddle, with the Patent Lining; manufactured by the Exhibitors. Price £7 17s. 6d. complete.

8019—Half-Shafto Hunting Saddle, with the Patent Lining; manufactured by the Exhibitors. Price £7 complete.

8020—Saddle, Plain Flaps, Covered Skirts, with Patent Lining; manufactured by the Exhibitors. Price £7 complete.

8021—Race Cantle Saddle, as above, with Patent Lining; manufactured by the Exhibitors. Price £7 complete.

8022—Hunting Saddle, Plain Flaps, with Patent Lining; manufactured by the Exhibitors. Price £6 16s. 6d. complete.

8023—Race Cantle Saddle, as above, with Patent Lining; manufactured by the Exhibitors. Price £6 16s. 6d. complete.

8024—Park Saddle, all Hogskin, with Patent Lining; manufactured by the Exhibitors. Price £7 17s. 6d. complete.

8025—Park Saddle, Covered Skirts, with Patent Lining; manufactured by the Exhibitors. Price £7 complete.

8026—Park Saddle, all Plain, with Patent Lining; manufactured by the Exhibitors. Price £6 16s. 6d. complete.

8027—Plain Hunting Side-Saddle, with the Patent Lining; manufactured by the Exhibitors. Price £11 11s. complete.

8028—15-Lb. Side-Saddle, with the Patent Lining; manufactured by the Exhibitors. Price £11 11s. complete.

8029—Side-Saddle, Quilted Doe-Seat, with Patent Lining; manufactured by the Exhibitors. Price £12 12s. complete.

8030—Side-Saddle, as above, no Off-Head, with Patent Lining; manufactured by the Exhibitors. Price £12 12s. complete.

8031—Side-Saddle, Plain Doe-Seat, with Patent Lining; manufactured by the Exhibitors. Price £12 12s. complete.

8032—Side-Saddle, Quilted Safe, with Patent Lining; manufactured by the Exhibitors. Price £11 11s. complete.

8033—Plain Hussar Saddle, with Patent Lining; manufactured by the Exhibitors. Price £8 18s. 6d. complete.

8034—Artillery Officer's Saddle, with Patent Lining; manufactured by the Exhibitors. Price £8 18s. 6d. complete.

8035—Field-Officer's Saddle (New Regulation), Patent Lining; manufactured by the Exhibitors. Price £8 18s. 6d. complete.

8036—Hunting Saddle, all Hogskin, Ordinary Pannel; manufactured by the Exhibitors. Price £6 16s. 6d. complete.

8037—Saddle, Covered Skirts, Plain Flaps, Ordinary Pannel; manufactured by the Exhibitors. Price £6 complete.

8038—Saddle, Plain Flaps and Skirts, Ordinary Pannel; manufactured by the Exhibitors. Price £5 15s. 6d.

8039—Patent Collar, for the Prevention of Sore Shoulders; manufactured by the Exhibitors. Price £2 5s. The lining of this collar does not get hard in wear, the pressure is evenly distributed, and "sore shoulders" never occur.

8040—Brown Leather Collar, with the Patent Lining; manufactured by the Exhibitors. Price £2 5s.

8041—Double-Waled Collar, with the Patent Lining; manufactured by the Exhibitors. Price £2 15s.

8042—Pair of Patent Knee-Caps; manufactured by the Exhibitors. Price 15s.

8043—Pair of Patent Speedy-Cut Boots, to Buckle; manufactured by the Exhibitors. Price 12s. 6d.

8044—Pair of Patent Speedy-Cut Boots, to Lace; manufactured by the Exhibitors. Price 12s. 6d.

8045—Pair of Brown Leather Patent Fetlock Boots; manufactured by the Exhibitors. Price 7s. 6d.

8046—Pair of Black Leather Patent Fetlock Boots; manufactured by the Exhibitors. Price 7s. 6d.

8047—Pair-Horse Carriage Harness; manufactured by the Exhibitors. Price £36 complete.

8048—Single-Horse Brougham Harness; manufactured by the Exhibitors. Price £16 16s. complete.

Stand No. 345.—*The Spongy Iron Water Purifying Co., of 505, Oxford Street, London, W.C.*

Article 8049—(*New Implement.*)—Bischof's Patent Spongy Iron Filter made in Iron; manufactured by the Exhibitors. Price £8 8s. This filter is intended to yield 200 gallons of filtered water for 24 hours, and is adapted for supplying drinking troughs, &c.

8050—(*New Implement.*)—Bischof's Patent Spongy Iron Filter made in Iron; manufactured by the Exhibitors. Price £8 8s. This filter is of the same yield as the above, and having a reservoir for filtered water, is suitable for general farm use.

8051—Bischof's Patent Spongy Iron Domestic Filter in Stoneware; manufactured by the Exhibitors. Price £1 10s. Pattern A, or column filter, size No. 1, yields 9 gallons of filtered water per 24 hours, and has capacity for 2½ quarts of filtered water.

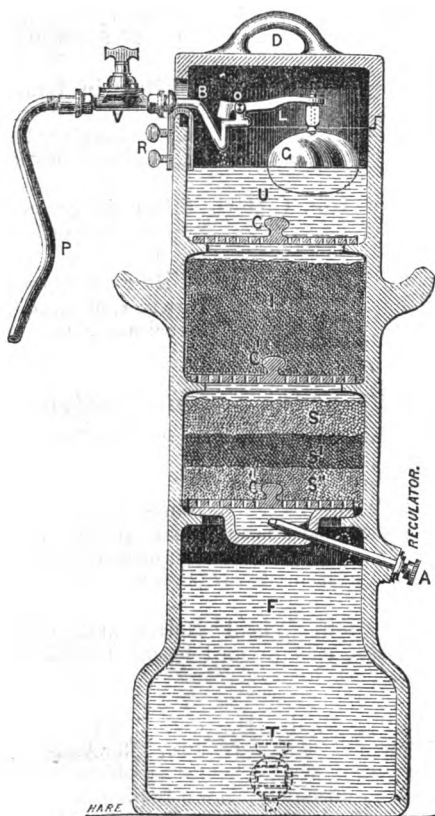
8052—Bischof's Patent Spongy Iron Domestic Filter in Stoneware; manufactured by the Exhibitors. Price £2 2s. Pattern A, or column filter, size No. 2, yields 16 gallons of filtered water per 24 hours, and has capacity for 4½ quarts of filtered water.

8053—Bischof's Patent Spongy Iron Domestic Filter in Stoneware; manufactured by the Exhibitors. Price £2 15s. Pattern A, or column filter, size No. 3, yields 24 gallons of filtered water per 24 hours, and has capacity for 7 quarts of filtered water.

8054—(*New Implement.*)—Bischof's Patent Spongy Iron Domestic Filter in Stoneware; manufactured by the Exhibitors. Price £3 10s. Pattern E, or special ball-cock filter, size No. 4, yields 32 gallons of filtered water per 24 hours, and has capacity for 13 quarts of filtered water. In using this pattern a constant water supply is required. (*See Drawing.*)

Stand No. 345—continued.

PATTERN E.



B. Ball-Cock.

U. Unfiltered Water.

V. Screw Valve.

I. Spongy Iron.

S, S', S''. Prepared Sand.

F. Filtered Water.

T. Stop-Cock.

8055.—(*New Implement.*)—Bischof's Patent Spongy Iron Domestic Filter in Stoneware; manufactured by the Exhibitors. Price £5 5s. Pattern E, or special ball-cock filter, size No. 6, yields 64 gallons of filtered water per 24 hours, and has capacity for 30 quarts of filtered water. (*See Drawing.*)

8056.—Bischof's Patent Spongy Iron Domestic Filter in Stoneware; manufactured by the Exhibitors. Price £1 1s. Pattern D, or colonial filter, size No. 1, yields 9 gallons of filtered water per 24 hours, and has capacity for 2 quarts of filtered water.

8057.—Bischof's Patent Spongy Iron Domestic Filter in Stoneware; manufactured by the Exhibitors. Price £1 15s. Pattern D, or colonial filter, size No. 3, yields 24 gallons of filtered water per 24 hours, and has capacity for 4½ quarts of filtered water.

8058.—Bischof's Patent Spongy Iron Domestic Filter in Stoneware; manufactured by the Exhibitors. Price 17s. 6d. Pattern C, or cottage filter, size No. 0, yields 4 gallons of filtered water per 24 hours, and has capacity for 2½ quarts of filtered water. If supplied with bottle for filling 1s. 6d. extra.

Stand No. 345—*continued.*

8059—Bischof's Patent Spongy Iron Domestic Filter in Stone-ware; manufactured by the Exhibitors. Price £2 2s. Pattern B, or short column filter, size No 2, yields 16 gallons of filtered water per 24 hours, and has capacity for $4\frac{1}{2}$ quarts of filtered water.

8060—Bischof's Patent Spongy Iron Domestic Filter in Lambeth Pottery Ware; manufactured by the Exhibitors. Price £2 15s. Pattern K, or ornamental filter, size No 0, yields 4 gallons of filtered water per 24 hours, and has capacity for 2 quarts of filtered water. If supplied with bottle for filling, £1 5s. extra.

8061—Bischof's Patent Spongy Iron Cistern Filter in Stone-ware; manufactured by the Exhibitors. Price £8 8s. Size No. 1, intended to yield 2 gallons of filtered water per hour.

8062—Bischof's Patent Spongy Iron Domestic Filter in Stone-ware; manufactured by the Exhibitors. Price £2 2s. Pattern A, or column filter, plain design, size No. 2, yields 16 gallons of filtered water per 24 hours.

Stand No. 346.—*Newall and Ogilvie (late Cambridge and Co.), of St. Philip's Iron Works, Bristol, Gloucestershire.*

Article 8063—"Cambridge" Patent Notched Wheel Roller and Clod Crusher, 26 In. Diameter by 7 Ft. Wide; manufactured by the Exhibitors. Price £14 10s. Specially manufactured for the colonial market. R. A. S. E. First Prize implement. Balanced checks with renewable bearings.

8064—"Cambridge" Patent Plain Wheel Roller and Clod Crusher, 20 In. Diameter by 6 Ft. Wide; manufactured by the Exhibitors. Price £10 10s. Fitted with extra strong balanced checks and renewable bearings.

8065—Patent Self Expanding Chain Harrow, 7 Ft. 6 In. Wide; manufactured by the Exhibitors. Price £3 10s. R. A. S. E. First Prize implement. Fitted with patent flexible jointed spreaders, which make the harrow the best for working on furrows or uneven land.

8066—Patent Self-Expanding Chain Harrow, 8 Ft. 6 In. Wide; manufactured by the Exhibitors. Price £3 17s. 6d. R. A. S. E. First Prize implement. Fitted with patent flexible jointed spreaders, which make the harrow the best for working on furrows or uneven land.

8067—Patent Combined Tine and Chain Harrow, 7 Ft. 6 In. Wide; manufactured by the Exhibitors. Price £4 5s. R. A. S. E. First Prize implement. The most perfect chain harrow made. Has gained the First Prize in every competition.

8068—Patent Combined Tine and Chain Harrow, 8 Ft. 6 In. Wide; manufactured by the Exhibitors. Price £5. R. A. S. E. First Prize implement. The most perfect harrow made.

8069—Patent Combined Tine and Chain Harrow, 12 Ft. 6 In. Wide; manufactured by the Exhibitors. Price £8. The best harrow for extensive grass lands. This size is selected by leading agriculturists in New Zealand and Australian Colonies.

8070—Pony Gear, D; manufactured by the Exhibitors. Price £7. Two speeds on the bed plate; plated driving wheel 30 in. diameter.

8071—Horse Gear, E, with Intermediate Motion; manufactured by the Exhibitors. Price £11 10s. Fitted for one horse. This gear may

also be fitted for two horses; plated driving wheel 36 in. diameter. These gears are specially selected for export on account of their superior design and workmanship.

8072—Set of Three 4-Beam "Excelsior" Harrows, to Cover $8\frac{1}{2}$ Ft.; manufactured by the Exhibitors. Price £3 10s. Recommended for general purposes on light land; easy in draught for two horses, and can be drawn backwards for covering seeds by one horse. These harrows are made in 18 different sizes.

8073—Set of Three 4-Beam "Excelsior" Harrows, to Cover $9\frac{1}{2}$ Ft.; manufactured by the Exhibitors. Price £4 7s. 6d. For two or three horses, according to state of land; very strong and serviceable harrows. These harrows are made in 18 different sizes.

8074—Pair of Patent "Excelsior" Scuffle Drags, to Cover 5 Ft. 3 In.; manufactured by the Exhibitors. Price £3 12s. 6d. Intended for light soil. The right size for cultivating hop grounds.

8075—Pair of Patent "Excelsior" Scuffle Drags, to Cover $6\frac{1}{2}$ Ft.; manufactured by the Exhibitors. Price £5 5s.

8076—Vertical Combined Engine and Boiler, 4-Horse Power; manufactured by the Exhibitors. Price £85; travelling wheel £5 extra. Mounted on tank containing feed water, which is heated by exhaust steam. Very compact arrangement; thoroughly well adapted for farmyard use.

8077—(*New Implement.*)—Patent Ball Mill; manufactured by the Exhibitors. Price £16. This mill is quite new in design, and by its use results are attained which could previously be effected by no other metal mill. The action of the mill approaches more nearly that of millstones than any other. (*For Trial.*)

Stand No. 347.—*John Crowley and Co., of Meadow Hall Iron Works, near Sheffield.*

Article 8078—Chaff Cutter, No. 1 A; manufactured by the Exhibitors. Price £2 7s. 6d. Neat and serviceable machine for small users of chaff.

8079—Chaff Cutter, No. 2; manufactured by the Exhibitors. Price £2 12s. 6d. Similar in principle to No. 1 A, but has a rising mouth, lever and weight.

8080—Chaff Cutter, No. 3; manufactured by the Exhibitors. Price £4. Cuts two lengths of chaff, without change wheels; a strong, useful machine. Its width of mouth, strength of frame, and heavy fly-wheel combined, make it one of the best and cheapest machines in the market.

8081—Chaff Cutter, No. A; manufactured by the Exhibitors. Price £4 5s. Similar to the preceding one, but with a larger and heavier fly-wheel.

8082—Chaff Cutter, No. 3 A; manufactured by the Exhibitors. Price £5 2s. 6d. Similar in principle to No. 3, but has the fly-wheel inside the frame, and has gun-metal bearings.

8083—Chaff Cutter, No. 3 A; manufactured by the Exhibitors. Price £5 7s. 6d. Similar to the preceding one, but has a double handle, so as two men can work it at the same time.

8084—Safety Lever Chaff Cutter, No. 5 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £8 2s. 6d. By means of one

safety lever the feed is driven forward, reversed, or stopped, and the length of cut varied without change wheels, all being effected by the one lever. It has patent malleable cast-iron legs, which will not break.

8085—Safety Lever Chaff Cutter, No. 6 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £9 7s. 6d.; pulleys extra. Similar in principle to No. 5 A, but larger and stronger; without web.

8086—Safety Lever Chaff Cutter, No. 7 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £10 15s.; pulleys extra. Similar in principle to No. 6 A, but larger and stronger; without web.

8087—Safety Lever Chaff Cutter, No. 8 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £12 17s. 6d.; pulleys extra. Similar in principle to No. 7 A, but larger and stronger; without web.

8088—Safety Lever Chaff Cutter, No. 5 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £8 2s. 6d.; pulleys extra. By means of one safety lever the feed is driven forward, reversed, or stopped, and the length of cut varied without change wheels, all being effected by the one lever. It has patent malleable cast-iron legs, which will not break. It has also a travelling web for bringing the feed forward in the hopper, 20s. extra.

8089—Safety Lever Chaff Cutter, No. 6 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £9 7s. 6d.; pulleys extra. Similar in principle to the preceding, No. 5 A, but larger and stronger. Travelling web, 20s. extra.

8090—Safety Lever Chaff Cutter, No. 7 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £10 15s.; pulleys extra. Similar in principle to the preceding, No. 6 A, but larger and stronger. Travelling web, 20s. extra.

8091—Safety Lever Chaff Cutter, No. 8 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £12 17s. 6d.; pulleys extra. Similar in principle to the preceding, No. 7 A, but larger and stronger. Travelling web, 25s. extra.

8092—Safety Lever Chaff Cutter, No. 9 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £14 15s.; pulleys extra. A large and powerful machine with 3 knives, and has all the improvements contained in the No. 5 A and upwards; web, 30s. extra.

8093—Safety Lever Chaff Cutter, No. 10 (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £19; pulleys extra. One of the most powerful chaff cutters made; has 3 knives and all the improvements contained in the No. 5 A and upwards; web, 30s. extra. This machine was awarded the only gold medal, Paris Universal Exhibition, 1878.

8094—(*New Implement.*)—Safety Lever Chaff Cutter, No. 12 (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £27; pulleys extra. The largest chaff cutter in the market; has 3 knives, and all the improvements contained in the No. 5 A and upwards; web, 40s. extra.

8095—Safety Lever Chaff Cutter, No. 7 A (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £10 15s.; pulleys and web extra. (*See Machines in Motion.*)

8096—Safety Lever Chaff Cutter, No. 10 (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £19; pulleys and web extra. (*See Machines in Motion.*)

8097—Safety Lever Chaff Cutter, Sifting and Bagging Machine, No. 11 (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £52. This machine is capable of cutting, sifting, and bagging from 2 to 3 tons of fine chaff per hour. It has a travelling web inside the hopper. (*See Machines in Motion.*)

8098—Corn Crusher; manufactured by the Exhibitors. Price £3 3s. Mill for crushing oats, beans, and maize, mounted on a pillar, and suitable for small stables.

8099—7-Horse Power Patent Automatic Variable Expansion Portable Steam Engine; manufactured by E. R. and F. Turner, of Ipswich. Price £205; pulley extra. (*See Machines in Motion.*)

8100—Lawn Mower, "The Invincible," 6-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £1 10s.

8101—Lawn Mower, "The Invincible," 8-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £2 10s.

8102—Lawn Mower, "The Invincible," 10-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £3 10s. Works with the wood regulating rollers either at the back or front of the revolving cutters.

8103—Lawn Mower, "The Invincible," 12-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £4 10s. Similar in principle to the 10-in., but cuts 12 in. in width.

8104—Lawn Mower, "The Invincible," 14-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £5 10s. Similar in principle to the 12-in., but cuts 14 in. in width.

8105—Lawn Mower, "The Invincible," 16-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £6 10s. Similar in principle to the 14-in., but cuts 16 in. in width. It has also a draw-bar and rope for a boy to assist.

8106—Lawn Mower, "The Invincible," 18-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £7 10s. Similar in principle to the 16-in., but cuts 18 in. in width.

8107—Lawn Mower, "The Invincible," 20-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £8 10s. Similar in principle to the 18-in., but cuts 20 in. in width. This machine won the only gold medal ever offered in England for open competition.

8108—Lawn Mower, "The Invincible," 24-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £9 10s. Similar in principle to the 20-in., but cuts 24 in. in width.

8109—Horse Power Lawn Mower, "The Invincible," 36-In. (Samuel Edwards' Patent); manufactured by the Exhibitors. Price £26. Strong and powerful machine, for a large area of ground; capable of cutting grass 6 in. long with ease, and at one operation.

8110—Garden Roller; manufactured by the Exhibitors. Price £2 12s. 6d. New pattern; double cylinder, with balance handle. Size, 18 in. wide by 16 in. diameter.

8111—Garden Roller; manufactured by the Exhibitors. Price £3. New pattern; double cylinder, with balance handle. Size, 20 in. wide by 18 in. diameter.

8112—Garden Roller; manufactured by the Exhibitors. Price £3 10s. 6d. New pattern; double cylinder, with balance handle. Size, 22 in. wide by 20 in. diameter.

8113—Garden Roller; manufactured by the Exhibitors. Price £4 2s. 6d. New pattern; double cylinder, with balance handle. Size, 24 in. wide by 22 in. diameter.

8114—Garden Roller; manufactured by the Exhibitors. Price £4 15s. New pattern; double cylinder, with balance handle. Size, 26 in. wide by 24 in. diameter.

8115—Bench Hand Drilling Machine, $\frac{1}{2}$ -Inch; manufactured by the Exhibitors. Price £5 17s. Suitable for implement makers.

8116—Improved Malleable Cast-Iron Parallel Bench Vice, 6-In. Jaw; manufactured by the Exhibitors. Price £2 13s.

8117—Improved Malleable Cast-Iron Parallel Bench Vice, 7-In. Jaw; manufactured by the Exhibitors. Price £3 3s.

8118—Ordinary Cast-Iron Parallel Bench Vice, 5-In. Jaw; manufactured by the Exhibitors. Price £2 7s.

8119—Ordinary Cast-Iron Parallel Bench Vice, 6-In. Jaw; manufactured by the Exhibitors. Price £2 12s. 6d.

8120—Cast-Iron Planing Machine Vice, 8-In. Jaw; manufactured by the Exhibitors. Price £3 4s.

8121—Malleable Cast-Iron Wheelbarrow, with Wrought-Iron Sides; manufactured by the Exhibitors. Price £1 12s. 6d.; if with broad wheel, 3s. 6d. extra. Suitable for farmers, &c.

8122—Samples of Malleable Cast-Iron Barrow Wheels; manufactured by the Exhibitors. Price 5s. each and upwards. Suitable for farmers. Axles extra.

8123—Samples of Patent Carburetted Malleable Cast Iron; manufactured by the Exhibitors. As samples, and castings only. (*Not for Sale.*)

Stand No. 348.—*Woods, Cocksedge and Co., of Suffolk Iron Works, Stowmarket, Suffolk.*

Article 8124—Universal Crushing and Grinding or Kibbling Mill, No. 1; manufactured by the Exhibitors. Price £26 10s. For crushing every kind of seed; every kind of corn, as oats, barley, rye, malt, and kibbling maize, beans, &c.; will crush 35 to 40 bushels of oats or linseed per hour; for steam power, 3-horse. Pulleys extra.

8125—Universal Crushing and Grinding Mill, No. 1: manufactured by the Exhibitors. Price £18 18s. Similar to above; awarded First Prize at Bury by Royal Society; Gold Medal, Paris, 1878. These mills are made with smooth rollers, and are not liable to get out of order; the saving by crushing oats for horses is one-fourth; for steam power, 2-horse. Pulleys extra.

8126—Universal Crushing and Grinding Mill, No. 2; manufactured by the Exhibitors. Price £12 12s. A smaller size for 1-horse power or two men. These mills have been sold in all parts of the world during the last 35 years, and their reputation as the "best farmer's mill" is now fully established. Pulleys extra.

8127—Universal Crushing and Grinding Mill, No. 4; manufactured by the Exhibitors. Price £9 4s. Similar to preceding, only with less diameter rollers and wider surface. This is suitable for a small horse gear, or a strong young man; it will crush or kibble every kind of grain, seed, maize, &c., and is valuable for all feeding purposes.

8128—Crushing Mill, No. 4, for Malt, Oats, Linseed; manufactured by the Exhibitors. Price £7 4s. This is fitted up without the bean mill, and is in great request for small breweries or sellers of malt; it will easily crush in a superior manner 16 bushels of malt per hour, or 4 to 8 bushels of oats by hand or steam power.

8129—(*New Implement.*)—Superior Malt Mill, No. 7; manufactured by the Exhibitors. Price £12 12s. This mill is specially prepared for crushing malt for breweries; the rollers are 9 in. wide; it crushes the malt without scattering the saccharine, thus rendering the wort finer and better than by any other method; it will crush about 30 to 40 bushels per hour.

8130—Universal Crushing and Kibbling Mill for Hand Power; manufactured by the Exhibitors. Price £6 15s. This mill may be easily worked by a big boy; it is the same in principle to the preceding, only smaller for hand power; will crush 2 to 3 bushels of oats and beans or maize per hour.

8131—Patent Corn Grinding Mill, French Burr Stones, 36 In.; manufactured by the Exhibitors. Price £55, burr stones, £45, best peak do. These celebrated mills are much esteemed for grinding any kind of corn into fine flour or grit; they are very durable, and fitted with strong iron frames; also in strong oak frames, 36 in. and over, they cost £10 less. Crane, £5 10s.

8132—Patent Corn Grinding Mill, French Burr Stones, 20 In.; manufactured by the Exhibitors. Price £25. This mill is made with top or bottom stone runner, and will grind any kind of corn. With the top stone the runner may be worked by our No. 13 gear and 2 horses, mules, or bullocks.

8133—Improved Royal First Prize and Gold Medal Gear, No. 9; manufactured by the Exhibitors. Price £7 5s. A useful small pony or mule gear; very strong and compact, with double motion, in frame, for driving a pump; Chaff cutter or churn sold complete, with the connecting poles, &c., &c., with safety dome top. Speed, 28 to 1 of horse.

8134—Improved Royal First Prize and Gold Medal Gear, No. 7; manufactured by the Exhibitors. Price £10 15s. A larger size safety dome top horse gear, fitted with intermediate motion, the horse wheel, 3 ft. 3 in. diameter, fitted complete. This is a very strong and useful machine for a small chaff cutter, pulper, cake breaker, &c. Speed, 29 to 1.

8135—Royal First Prize and Gold Medal Horse Gear, No. 13; manufactured by the Exhibitors. Price £13 15s. This is the same that took First Prize last Royal trials, the strongest gear for the price made; wheel, 3 ft. 8 in. diameter; speed 30 to 1 of horse. The wheel is covered, preventing accidents. Pulleys extra.

8136—Royal First Prize and Gold Medal Horse Gear, No. 5; manufactured by the Exhibitors. Price £17. A larger size and strong horse gear, with wheel 4 ft. 6 in. diameter; fitted with 2 strong poles and brace rods, so that poles are not liable to break. Intermediate motion, very strong, and fitted as No. 13 with improved clutch to throw out of gear in an instant; with patent safety dome top wheel, £1 extra; speed, 40 to 1 of horse. Pulleys extra.

8137—Royal First Prize and Gold Medal 2-Horse Gear; No. 4; manufactured by the Exhibitors. Price £22 19s. Extra strong gear for 2, 3, or 4 horses, with strong driving wheel, 5 ft. 6 in. diameter; the cogs fitted on in segments, and in case of breakage easily replaced; frame of old English oak; motion, extra strong, and gives a speed of 50 to 1 of horse. Pulleys extra.

8138—Chaff Cutter, No. 19; manufactured by the Exhibitors. Price £2 5s. A strong chaff cutter for a lad, with best steel knives.

8139—Chaff Cutter, No. 25; manufactured by the Exhibitors. Price £2 10s. This is a very easy working chaff cutter, rising mouth rather over 8 in. wide; with ordinary fly-wheel, £2 10s.; with extra large fly-wheel, £2 15s.

8140—Chaff Cutter, No. 25; manufactured by the Exhibitors. Price £2 17s. 6d. Similar to preceding, only fitted with extra large fly-wheel, and hollow or concave knives; these are very much approved.

8141—Chaff Cutter, No. w c; manufactured by the Exhibitors. Price £3 17s. 6d. This celebrated machine awarded Great Silver Medal at Hamburg; it cuts two lengths, and works easily by a lad; a lever at the back readily turns it from long to short length or vice versa.

8142—(*New Implement.*)—Improved Oil Cake Breaker, No. 8; manufactured by the Exhibitors. Price £15 15s.; pulleys extra. This is a very strong oil cake breaker for power, with double set of cylinders, and arrangement by which one set of rollers only may be used if required; it breaks any kind of cake almost into powder, at an enormously rapid rate, will also crush locust beans, and is often used for breaking phosphates.

8143—Improved Oil Cake Breaker, No. 6; manufactured by the Exhibitors. Price £7; pulley, 12s. A similar cake breaker to preceding, only smaller, for 1-horse gear, or two men; breaks ten sizes.

8144—Improved Oil Cake Breaker, No. A K; manufactured by the Exhibitors. Price £3 5s. Strong, compact, well-known machine; will break into ten different sizes for lambs, bullocks, sheep, or calves; very easy working; large fly-wheel; smaller size, £2 17s. 6d.

8145—(*New Implement.*)—Improved Oil Cake Breaker, No. D K; manufactured by the Exhibitors. Price £3 10s. Extra wide mouth, 16 in.; made especially for breaking the new Anglo-American, square Marseilles, wide American and Waterloo round feeding cake; fitted with 2 handles; may be worked by 2 boys. The cylinders are always kept clean, as they work through a plate in front.

8146—Prix de Perfection Root Pulper, No. 22; manufactured by the Exhibitors. Price £4 14s. A very strong machine, with large fly-wheel; the knives are of best steel, and adjustable, to cut finer or coarser.

8147—(*New Implement.*)—New Improved Root Pulper, No. 21; manufactured by the Exhibitors. Price £3 10s. This well known machine has been entirely remodelled; the hopper is larger and more convenient; the wheel somewhat larger, and entirely covered in; the knives are adjustable, and best steel. In wood frame, without cover, £3.

8148—(*New Implement.*)—New Improved Root Cutter, No. 20; manufactured by the Exhibitors. Price £2 15s. A handy machine for a lad; fitted with double knives for root cutting and pulping.

8149—Gardner's Pattern Turnip Cutter, Single Action; manufactured by the Exhibitors. Price £4 10s. This well known machine is much improved, with iron frame; it is celebrated for cutting the last piece, and never choking up; cuts in finger pieces for sheep.

8150—Gardner's Pattern Turnip Cutter, Double Action; manufactured by the Exhibitors. Price £5 10s. Iron top frames, very strong; to cut into finger pieces for sheep, or in large flat pieces for bullocks; it works easy, cuts last piece, never chokes.

8151—(*New Implement.*)—Treble Action Root Cutter, No. 10; manufactured by the Exhibitors. Price £5 without cover. This is one of the machines awarded Gold Medal in Paris, 1878; it cuts into three distinct sizes, viz., flat pieces for bullocks, finger pieces for sheep, and pulping for stall-feeding; the wheel being large, it is very easy work for a boy.

8152—Patent Vertical Steam Engine, 4-Horse Power; manufactured by the Exhibitors. Price £100. The engine is completely detached from the boiler; the whole being mounted on strong tank, which forms ashpit and feed water heater. Sold complete with everything ready for work.

8153—Patent Vertical Engine, 3-Horse Power; manufactured by the Exhibitors. Price £85. Similar to the preceding, only smaller. These engines and boilers are larger than most others sold for the same nominal horse power, and consequently much stronger.

8154—Patent Vertical Engine, 2-Horse Power; manufactured by the Exhibitors. Price £65; wheels, &c., £5. Similar to preceding, only fitted with shafts and wheels that lock, so that it becomes a portable engine. These engines are very handy for exportation, as the engines can be packed in close case, and the boiler sent loose.

8155—Horizontal Engine, 8-Horse Power; manufactured by the Exhibitors. Price £100. Very simple and strong in construction, steam jacketed, and fitted with expansion valves; adjustable by hand whilst the engine is running; references in all parts of England where they are in use.

8156—(*New Article.*)—Improved Maize and Bean Mill, No. 4; manufactured by the Exhibitors. Price £2 12s. 6d. A strong and compact mill for breaking maize and beans very fine, or merely breaking in halves, without any dust; this is easy work for a boy; with hard chilled rollers and plates, renewable at a trifling cost.

8157—(*New Article.*)—Improved Oat Mill, No. 5; manufactured by the Exhibitors. Price £2 12s. 6d. A new small oat mill for cutting up oats or any other grain; very easy working and durable.

8158—Gibbs' Patent Drying Apparatus for Coffee, Tea, Hay, &c.; manufactured by the Exhibitors. Models of Gibbs' patent drying apparatus for drying all kind of grain, tea, coffee, also for hay, &c., &c.

8159—Improved Street-Watering and Liquid-Manure Cart, 200 Gallons; manufactured by the Exhibitors. Price £26. Mounted on strong oak frames, without any bolts; all chance of leakage avoided; the spreader low down, preventing the rising of dust.

8160—Patent Tipping Agricultural Cart, Royal Prize, Salisbury and Plymouth; manufactured by the Exhibitors. Price £16 10s. A large and roomy cart, with very strong wheels, body best English timber, thick plank sides, fixed on loose side boards; self-acting tipping apparatus, 4-in. by $\frac{5}{8}$ -in. wheels.

8161—Royal Prize Harvest Cart and Frames; manufactured by the Exhibitors. Price £19. This is fitted with jointed harvest frames; it is easily folded up when not in use; it is similar to the preceding, only fitted with the harvest frames.

8162—Patent Tipping Agricultural Cart, Prize, Plymouth and Salisbury; manufactured by the Exhibitors. Price £15. The tipping arrangement for these carts is perfect; the load is exactly and evenly balanced; not the slightest jerk is felt in tipping the heaviest load.

8163—Jointed Harvest Frames for Patent Harvest Cart; manufactured by the Exhibitors. Price £2 10s. These are made to fit the previous cart, forming a complete general purpose cart, £17 10s.; they will fold up, and are useful in carrying calves or pigs to market.

8164—Collection of Feeding Pans; manufactured by the Exhibitors. Price 18s. to £2 each. Very convenient round bottom pans of various sizes for stock feeding.

8165—Contractor's or Local Board Cart; manufactured by the Exhibitors. Price £21 10s. This cart is made in the best manner; strongly ironed up for removing road materials, stones, timber, or any kind of very hard work; the wheels are high, and very strong.

Stand No. 349.—*F. W. Turner, of St. Albans Iron Works, St. Albans, Hertfordshire.*

Article 8166—Collection of 7 Liquid Manure and Irrigation Pumps; manufactured by the Exhibitor. Price, marked No. 31 A, £3 10s.; No. 17 A, £1 10s.; No. 18 A, £1 15s.; No. 19^o A, £2 18s. 6d.; No. 35 s, £4 15s.; No. 30 A, £3; No. 31 A w, £4 16s.

8167—Collection of 19 Pumps for Stable-Yard or Field; manufactured by the Exhibitor. Price, marked No. 17, 17s.; No. 18, £1 1s.; No. 19, £1 10s.; No. 17 x, 17s. 6d.; No. 18 x, £1 2s.; No. 19 x, £1 12s.; No. 17 s, £1 9s.; No. 18 s, £1 17s. 6d.; No. 19 s, £2 10s.; No. 30 g, £2 8s.; No. 30 g s, £3; No. 30 x, £2; No. s 31 x x x, £3 16s. 6d.; No. 31 x x x, £2 17s.; No. 21 x, £1 15s.; No. 22 x, £2 2s.

8168—Collection of 3 Syphon Pumps; manufactured by the Exhibitor. Price, marked No. 5, 18s. 6d.; No. 5 w, £1; No. 5 L, £1 7s. 6d.

8169—Collection of 5 Single-Action Suction and Force Pumps; manufactured by the Exhibitor. Price, for steam-power, marked No. P W 25 x x x, £4 12s.; for hand-power, marked No. P L 25 x, £3 4s.; No. P L 27 x, £3 11s.; No. P L 27 x x x, £4; No. 27 x x x, £2 17s.

8170—Double-Action Suction and Force Pump for Hand or Steam Power; manufactured by the Exhibitor. Price, marked No. R L K 38, £13.

8171—Steam-Power Suction and Force Irrigation Pump; manufactured by the Exhibitor. Price £40.

8172—Collection of 5 Stable-Yard Pumps, Non-Freezing. Price, marked, No. 21, £2 4s.; No. 22, £2 8s.; No. 22 A, £2 18s.; No. 23 A, £3 2s.; No. L 22, £2 16s.

8173—Collection of 4 Liquid-Manure Cart Pumps; manufactured by the Exhibitor. Price, marked No. 17 w, £1 2s. 6d.; No. 18 w, £1 7s. 6d.; No. 19 w, £1 19s.; No. 19^o w, £2 10s.

8174—Deep-Well Horse Gear; manufactured by the Exhibitor. Price £12.

8175—(*New Implement.*)—Vertical Gas Engine, of 2-Man Power (Turner's Patent); manufactured by the Exhibitor. Price £30.

8176—(*New Implement.*)—Horizontal Gas Engine of 2-Man Power (Turner's Patent); manufactured by the Exhibitor. Price £30.

8177—"Standard" Semi-Portable Steam Engine and Boiler, of 2½-Horse Power; manufactured by the Exhibitor. Price £55.

8178—"Standard" Vertical Steam Engine of 2½-Horse Power; manufactured by the Exhibitor. Price £22.

8179—"Standard" Vertical Steam Engine, of 1½-Horse Power, with Boiler; manufactured by the Exhibitor. Price £42.

Stand No. 350.—*Powell Brothers, and Whitaker, of Cambrian Ironworks, Wrexham, Denbighshire.*

Article 8180—Chaff Cutter, marked C A; manufactured by the Exhibitors. Price £2 5s.

8181—Chaff Cutter, marked C B; manufactured by the Exhibitors. Price £2 10s.

8182—Chaff Cutter, marked 'c c; manufactured by the Exhibitors. Price £2 12s. 6d.

8183—Chaff Cutter, marked c c c; manufactured by the Exhibitors. Price £2 17s. 6d.

8184—Chaff Cutter, marked c d; manufactured by the Exhibitors. Price £4 5s.

8185—Chaff Cutter, marked c e; manufactured by the Exhibitors. Price £4 7s. 6d.

8186—Chaff Cutter, marked c f; manufactured by the Exhibitors. Price £5 5s.

8187—Chaff Cutter, marked c g; manufactured by the Exhibitors. Price £6 6s.

8188—Root Slicer, marked s a; manufactured by the Exhibitors. Price £3 2s. 6d.

8189—Root Slicer, marked s b; manufactured by the Exhibitors. Price £3 7s. 6d.

8190—Root Slicer, marked s c; manufactured by the Exhibitors. Price £4 5s.

8191—Root Pulper, marked p a; manufactured by the Exhibitors. Price £3 2s. 6d.

8192—Root Pulper, marked p b; manufactured by the Exhibitors. Price £3 7s. 6d.

8193—Root Pulper, marked p c; manufactured by the Exhibitors. Price £3 12s. 6d.

8194—Root Pulper, marked p d; manufactured by the Exhibitors. Price £4 4s.

8195—Root Pulper, marked p e; manufactured by the Exhibitors. Price £4 7s. 6d.

8196—Double Action Root Pulper and Slicer, marked d a; manufactured by the Exhibitors. Price £5 5s.

8197—Double Action Root Pulper and Slicer, marked d b; manufactured by the Exhibitors. Price £5 10s.

8198—Double Action Root Pulper and Slicer, marked d c; manufactured by the Exhibitors. Price £6 15s.

8199—(*New Implement.*)—Root Stripper, marked e s a; manufactured by the Exhibitors. Price £4 4s.

8200—(*New Implement.*)—1-Horse Power; manufactured by the Exhibitors. Price £7.

8201—(*New Implement.*)—Registered 1-Horse Power; manufactured by the Exhibitors. Price £8 10s.

8202—(*New Implement.*)—Registered 1-Horse Power; manufactured by the Exhibitors. Price £10 10s.

8203—New Patent 2-Horse "Crown" Mower; manufactured by the Exhibitors. Price £18 10s.

8204—New Patent 2-Horse "Crown" Mower and Reaper; manufactured by the Exhibitors. Price £22 10s.

8205—(*New Implement.*)—New Patent 1-Horse "Crown" Mower; manufactured by the Exhibitors. Price £17 10s.

8206—(*New Implement.*)—New Patent 1-Horse "Crown" Mower and Reaper; manufactured by the Exhibitors. Price £19 10s.

Stand No. 351.—*Whalley, Smith, and Paget, of
Parker Street Ironworks, Keighley, Yorkshire.*

Article 8207—Patent “Crown” Washing Machine, No. 40, with 12-In. India-Rubber Wringer; manufactured by the Exhibitors. Price £4 10s.

8208—Patent “Crown” Combined Washing, Wringing, and Mangling Machine, No. 41; manufactured by the Exhibitors. Price £5 10s.

8209—Patent “Standard Crown” Washer and Wringer, No. 42, with India-Rubber Wringer, 12 In. Wide; manufactured by the Exhibitors. Price £4 10s.

8210—Patent “Standard Crown” Washer, Wringer, and Mangle, No. 42 A; manufactured by the Exhibitors. Price £5 10s.

8211—Patent “Standard Crown” Washer, Wringer, and Mangle, No. 43; manufactured by the Exhibitors. Price £5 10s.

8212—Patent “Standard Crown” Washer, Wringer, and Mangle, No. 44; manufactured by the Exhibitors. Price £6 6s.

8213—Combined Washer, Wringer, and Mangle, No. 00, “Dolly;” manufactured by the Exhibitors. Price £4 4s.

8214—Wringer and Mangle, No. 21, Rollers 20 In. Wide; manufactured by the Exhibitors. Price £2 7s. 6d.

8215—Wringer and Mangle, No. 21, with Roller 20 In., Brass-Capped; manufactured by the Exhibitors. Price £2 10s.

8216—Wringer and Mangle, No. 21, with 20-In. Rollers, Sycamore and Lignum Vitæ, Brass-Capped; manufactured by the Exhibitors. Price £2 15s.

8217—Wringer and Mangle, No. 22, with Rollers 24 in. Wide; manufactured by the Exhibitors. Price £2 12s. 6d.

8218—Wringer and Mangle, No. 22, Rollers 24 In. Wide, with Brass Caps; manufactured by the Exhibitors. Price £2 15s.

8219—Wringer and Mangle, No. 22, Rollers 24 In., without Spring Bar; manufactured by the Exhibitors. Price £2 15s.

8220—Wringer and Mangle, No. 22, Rollers 24 In. Wide, with Heavy Fly-Wheel; manufactured by the Exhibitors. Price £2 16s.

8221—Wringer and Mangle, No. 22, with Rollers 24 In. Wide, Lignum Vitæ and Sycamore; manufactured by the Exhibitors. Price £3.

8222—Wringer and Mangle, No. 22, Rollers 24 In. Wide, Lignum Vitæ and Sycamore, Brass-Capped; manufactured by the Exhibitors. Price £3 2s. 6d.

8223—Wringer and Mangle, No. 22, with Rollers 24 in. Wide, and Solid Brass Hoops; manufactured by the Exhibitors. Price £2 15s.

8224—Wringer and Mangle, No. 27, with Spring within the Bow, Rollers 24 In.; manufactured by the Exhibitors. Price £2 17s. 6d.

8225—Wringer and Mangle, No. 23, Rollers 26 In. Wide; manufactured by the Exhibitors. Price £3.

8226—Wringer and Mangle, No. 23, without Spring Bar; manufactured by the Exhibitors. Price £3.

8227—Wringer and Mangle, No. 25, with Rollers 30 In. Wide, Brass-Capped; manufactured by the Exhibitors. Price £3 10s.

8228—Wringer and Mangle, No. 26, with Rollers 38 In. Wide, Brass-Capped; manufactured by the Exhibitors. Price £4 15s.

8229—Extra Large Wringing and Mangling Machine, No. 26 B; manufactured by the Exhibitors. Price £8 8s. For public institutions; fitted with pulleys for steam power.

8230—Table Wringer and Mangle, No. 1 D, Rollers, 22 In. Wide; manufactured by the Exhibitors. Price £1 15s.

8231—Underspring Wringer and Mangle, No. 28, Rollers 20 In., Brass Capped; manufactured by the Exhibitors. Price £2 10s.

8232—Underspring Wringer and Mangle, No. 29, Rollers 24 In., Brass Capped; manufactured by the Exhibitors. Price £2 17s. 6d.

8233—Wringer and Mangle, with Weight Pressure Behind, No. 5; manufactured by the Exhibitors. Price £2 7s. 6d.

8234—Underspring Wringer and Mangle, with Sycamore and Lignum Vitæ Rollers, No. 29, Brass-Capped; manufactured by the Exhibitors. Price £2 17s. 6d.

8235—Underspring Wringer and Mangle, No. 30, with Rollers 26 In. Wide, Brass-Capped; manufactured by the Exhibitors. Price £3 2s. 6d.

8236—Backspring Wringer and Mangle, with Rollers, 24 In. Wide, Brass-Capped, No. 9; manufactured by the Exhibitors. Price £2 17s. 6d.

8237—Wringer and Mangle, with Weight Pressure Behind, No. 6, Rollers 26 In., Brass-Capped; manufactured by the Exhibitors. Price £3 2s. 6d.

8238—Straight Lever and Weight Wringer and Mangle, No. 35, Rollers 24 In., Brass-Capped; manufactured by the Exhibitors. Price £3.

8239—Straight Lever and Weight Wringer and Mangle, No. 35, with Lignum Vitæ Rollers; manufactured by the Exhibitors. Price £3 7s. 6d.

8240—Straight Lever Wringer and Mangle, No. 36, Rollers 26 In. Wide, Brass Capped; manufactured by the Exhibitors. Price £3 7s. 6d.

8241—Straight Lever and Weight Wringer and Mangle, Extra Strong, 30 In. Wide; manufactured by the Exhibitors. Price £4 4s.

8242—3-Roller Mangle, 26 In. Wide, "Scottish," No. 47; manufactured by the Exhibitors. Price £4 5s.

8243—Chaff Cutter, with Fixed Mouth, No. 1; manufactured by the Exhibitors. Price £2 2s.

8244—Chaff Cutter, with Fixed Mouth, No. 1 B, to Cut 2 Lengths; manufactured by the Exhibitors. Price £2 5s.

8245—Chaff Cutter, with Fixed Mouth, No. 2; manufactured by the Exhibitors. Price £2 7s. 6d.

8246—Chaff Cutter, with Fixed Mouth, No. 2, Cuts 2 Lengths; manufactured by the Exhibitors. Price £2 10s.

8247—Chaff Cutter, with Rising Mouth, No. 3; manufactured by the Exhibitors. Price £2 15s.

8248—Chaff Cutter, with Rising Mouth, No. 3, to Cut 2 Lengths; manufactured by the Exhibitors. Price £3.

8249—Chaff Cutter, Strong Oblong Frame, No. 4, Cuts 2 Lengths, Rising Mouth 8½ in. Wide; manufactured by the Exhibitors. Price £4 10s.

8250—Chaff Cutter, No. 5, with Brass Bearings, Mouth-piece $9\frac{1}{4}$ In. Wide, Extra Strong; manufactured by the Exhibitors. Price £5 5s.

8251—Chaff Cutter, No. 6, with Mouthpiece, $9\frac{1}{4}$ In. Wide, Extra Strong, with 2 Handles; manufactured by the Exhibitors. Price £6 6s.

8252—Chaff Cutter, No. 7, Extra Large and Strong, with 3 Knives, and Pulleys for Steam Power, Cuts 3 Lengths; manufactured by the Exhibitors. Price £7 17s. 6d.

8253—Oilcake Breaker, with Quintuple Regulator and $14\frac{1}{2}$ In. Mouth; manufactured by the Exhibitors. Price £3 10s.

8254—Currant Dressing Machine, No. 1; manufactured by the Exhibitors. Price £4 10s.

8255—Currant Dressing Machine, No. 2; manufactured by the Exhibitors. Price £5 5s.

8256—Currant Dressing Machine, No. 3; manufactured by the Exhibitors. Price £7 7s.

Stand No. 352.—*J. M. Bell and Co., of 491, Oxford Street, London, W.*

Article 8257—Assortment of London Made Box Churns; manufactured by the Exhibitors. Price from £1 11s. 6d.

8258—Improved Barrel Churn; manufactured for the Exhibitors. Price £3 3s. Will churn from $\frac{1}{4}$ lb. to 20 lbs.

8259—(*New Implement.*)—Patent “Dexter” Churn, No. 1 Size; manufactured for the Exhibitors. Price £3.

8260—(*New Implement.*)—Patent “Dexter” Churn, No. 2 Size; manufactured for the Exhibitors. Price £3 5s.

8261—Assortment of Milk Pans; manufactured for the Exhibitors. Price from 2s. each.

8262—Assortment of Tin Milk Pails; manufactured for the Exhibitors. Price from 5s.

8263—Improved Portable Farm Boiler; manufactured by the Exhibitors. Price £2.

8264—Strong Iron Barrow; manufactured by the Exhibitors. Price £1 10s.

8265—Improved Chaff Cutting Machine; manufactured for the Exhibitors. Price £2 15s.

8266—Improved Chaff Cutting Machine; manufactured for the Exhibitors. Price £3 10s.

8267—Root Pulper; manufactured for the Exhibitors. Price £2 15s.

8268—The Home Washer, with Wringer and Mangle Combined; manufactured for the Exhibitors. Price £6 6s. This is the most compact and efficient machine made; thoroughly well made, and well suited for a small family.

8269—The Home Washer, with Wringer and Mangle Combined; manufactured for the Exhibitors. Price £6 14s. This machine is same as No. 8268, but fitted with lignum vitæ bottom roller.

8270—The Home Washer, with Wringer and Mangle Combined, No. 2 Size; manufactured for the Exhibitors. Price £8 8s.

8271—The Home Washer, with Wringer and Mangle Combined; manufactured for the Exhibitors. Price £8 18s. This machine is same as No. 8270, but fitted with lignum vitæ bottom roller.

8272—The Home Washer, No. 1 Size; manufactured for the Exhibitors. Price £3 15s.

8273—The Home Washer, No. 1 Size, Fitted with India-Rubber Wringer; manufactured for the Exhibitors. Price £5 5s.

8274—The Home Washer, No. 2 Size; manufactured for the Exhibitors. Price £5.

8275—The Home Washer, No. 2 Size, Fitted with India-Rubber Wringer; manufactured by the Exhibitors. Price £7 7s.

8276—(*New Implement.*)—Improved Wringing and Mangling Machine; manufactured for the Exhibitors. Price £2 10s. A strong, well made machine, with 21-in. rollers.

8277—(*New Implement.*)—Improved Wringing and Mangling Machine; manufactured for the Exhibitors. Price £3. Same as No. 8276, but with 24-in. rollers.

8278—(*New Implement.*)—Improved Wringing and Mangling Machine; manufactured for the Exhibitors. Price £2 10s. Same as No. 8276, but fitted with an under-spring.

8279—(*New Implement.*)—Improved Wringing and Mangling Machine; manufactured for the Exhibitors. Price £3. Same as No. 8278, but with 24-in. rollers.

8280—(*New Implement.*)—Improved Wringing and Mangling Machine; manufactured for the Exhibitors. Price £2 2s.

8281—(*New Implement.*)—Improved Wringing and Mangling Machine, with 21-In. Rollers; manufactured for the Exhibitors. Price £3. The pressure in this machine is obtained by a combination of levers and weights.

8282—(*New Implement.*)—Improved Wringing and Mangling Machine, with 24-In. Rollers; manufactured for the Exhibitors. Price £3 5s.

8283—Improved Wringing and Mangling Machine, with 24-In. Rollers; manufactured for the Exhibitors. Price £3 10s.

8284—Registered Wringing and Mangling Machine, with 21-In. Rollers; manufactured for the Exhibitors. Price £3.

8285—Registered Wringing and Mangling Machine, with 24-In. Rollers. Price £3 7s. 6d.

8286—Registered Wringing and Mangling Machine, with 27-In. Rollers. Price £3 15s.

8287—Registered Wringing and Mangling Machine, with 30-In. Rollers. Price £4.

8288—Registered Wringing and Mangling Machine, with 36-In. Rollers. Price £6 10s.

8289—Registered Wringing and Mangling Machine. Price £3 5s.

8290—Improved Portable Mangle. Price £4.

8291—Improved Imperial Box Mangle, 5 Ft. 6 In. Size; manufactured by the Exhibitors. Price £11 11s.

8292—Assortment of the Home Wringers, in 4 Sizes. Price from £1 5s.

- 8293**—Assortment of the People's Wringers. Price from £1 1s.
8294—The Paragon Wringer, in 3 Sizes. Price £1 11s. 6d.
8295—(*New Implement.*)—New Patent Dolly Washing Machine; manufactured for the Exhibitors. Price £3 10s. This is a thoroughly efficient and cheap machine.
8296—(*New Implement.*)—New Patent Dolly Washing, Wringing, and Mangling Machine; manufactured for the Exhibitors. Price £4 4s.

Stand No. 353.—*John Bellamy, of Byng Street, Millwall, London, E.*

Article 8297—Wrought-Iron Water Cistern, Painted, 50 Gallons; manufactured by the Exhibitor. Price £1 12s 6d. These cisterns can be made any shape or size, and put together in position if necessary. Special estimates on application for any thickness of plate. For export they can be made to nest, thereby saving freight.

8298—Wrought-Iron Water Cistern, Painted, 100 Gallons; manufactured by the Exhibitor. Price £2 2s.

8299—Wrought-Iron Water Cistern, Painted, 150 Gallons; manufactured by the Exhibitor. Price £2 15s.

8300—Wrought-Iron Water Cistern, Painted, 200 Gallons; manufactured by the Exhibitor. Price £3 10s.

8301—Wrought-Iron Water Cistern, Painted, 300 Gallons; manufactured by the Exhibitor. Price £4 2s. 6d.

8302—Wrought-Iron Water Cistern, Painted, 400 Gallons; manufactured by the Exhibitor. Price £5 2s. 6d.

8303—Wrought-Iron Water Cistern, Painted, 500 Gallons; manufactured by the Exhibitor. Price £6 5s.

8304—Wrought-Iron Water Cistern, Painted, 600 Gallons; manufactured by the Exhibitor. Price £7 10s.

8305—Wrought-Iron Water Cistern, Galvanized, 50 Gallons; manufactured by the Exhibitor. Price £2 5s.

8306—Wrought-Iron Water Cistern, Galvanized, 100 Gallons; manufactured by the Exhibitor. Price £3.

8307—Wrought-Iron Water Cistern, Galvanized, 150 Gallons; manufactured by the Exhibitor. Price £4.

8308—Wrought-Iron Water Cistern, Galvanized, 200 Gallons; manufactured by the Exhibitor. Price £5.

8309—Wrought-Iron Water Cistern, Galvanized, 300 Gallons; manufactured by the Exhibitor. Price £6 5s.

8310—Wrought-Iron Water Cistern, Galvanized, 400 Gallons; manufactured by the Exhibitor. Price £7 10s.

8311—Wrought-Iron Water Cistern, Galvanized, 500 Gallons; manufactured by the Exhibitor. Price £9.

8312—Wrought-Iron Water Cistern, Galvanized, 600 Gallons; manufactured by the Exhibitor. Price £10 10s.

8313—Light Wrought-Iron Cottage Cistern, Galvanized, 30 Gallons; manufactured by the Exhibitor. Price £1 2s. 6d.

8314—Light Wrought-Iron Cottage Cistern, Galvanized, 50 Gallons; manufactured by the Exhibitor. Price £1 12s. 6d.

8315—Light Wrought-Iron Cottage Cistern, Galvanized, 80 Gallons; manufactured by the Exhibitor. Price £2 5s.

8316—Wrought-Iron Tank for Hot Water, Galvanized, 50 Gallons; manufactured by the Exhibitor. Price £2 15s.

8317—Wrought-Iron Cylinder for Hot Water, with Connections Complete, Galvanized, 40 Gallons; manufactured by the Exhibitor. Price £3 5s. These cylinders can be made of any size and to stand any pressure; prices and particulars on application.

8318—Wrought-Iron Circular Oil Tank, with Cover and Brass Tap Complete, for Engine Use or Store, Galvanized, 50 Gallons; manufactured by the Exhibitor. Price £2 15s.

8319—Wrought-Iron Circular Oil Tank, with Cover and Brass Tap Complete, for Engine Use or Store, Painted, 100 Gallons; manufactured by the Exhibitor. Price £3.

8320—Wrought-Iron Safety Tank for Paraffin or Spirit, Galvanized, Fitted with Draw-off Cock, Brass Filling Plate, and Safety Gauge, 40 Gallons; manufactured by the Exhibitor. Price £3.

8321—Strong Wrought-Iron Riveted Corn Bin, Painted, 4 Bushels; manufactured by the Exhibitor. Price £1 17s. 6d. Any size or shape made to order.

8322—Strong Wrought-Iron Riveted Corn Bin, Painted, 1 Quarter; manufactured by the Exhibitor. Price £2 12s. 6d.

8323—Strong Wrought-Iron Riveted Corn Bin, Painted, 2 Quarters; manufactured by the Exhibitor. Price £3 15s.

8324—Strong Wrought-Iron Riveted Corn Bin, Galvanized, 1 Quarter; manufactured by the Exhibitor. Price £3 15s.

8325—Strong Wrought-Iron Riveted Corn Bin, Circular, Painted, 1 Quarter; manufactured by the Exhibitor. Price £2 12s. 6d.

8326—Strong Wrought-Iron Cattle Drinking Trough, Painted, 37 Gallons, 3 Ft. Long; manufactured by the Exhibitor. Price £1 10s. Any size or shape made to order.

8327—Strong Wrought-Iron Cattle Drinking Trough, Painted, 50 Gallons, 4 Ft. Long; manufactured by the Exhibitor. Price £1 15s.

8328—Strong Wrought-Iron Cattle Drinking Trough, Painted, 62 Gallons, 5 Ft. Long; manufactured by the Exhibitor. Price £2.

8329—Strong Wrought-Iron Cattle Drinking Trough, Painted, 75 Gallons, 6 Ft. Long; manufactured by the Exhibitor. Price £2 5s.

8330—Strong Wrought-Iron Cattle Drinking Trough, Painted, 87 Gallons, 7 Ft. Long; manufactured by the Exhibitor. Price £2 10s.

8331—Strong Wrought-Iron Cattle Drinking Trough, Painted, 100 Gallons, 8 Ft. Long; manufactured by the Exhibitor. Price £2 15s.

8332—Strong Wrought-Iron Cattle Drinking Trough, Painted, 112 Gallons, 9 Ft. Long; manufactured by the Exhibitor. Price £3.

8333—Strong Wrought-Iron Circular Cattle Drinking Trough, Painted, 120 Gallons, 4 Ft. Diameter; manufactured by the Exhibitor. Price £3 7s. 6d.

8334—Strong Wrought-Iron Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Painted, 37 Gallons, 3 Ft. Long; manufactured by the Exhibitor only. Price £1 15s. The only safety trough yet introduced; damage to stock impossible. Any size or shape made to order.

8335—Strong Wrought-Iron Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Painted, 50 Gallons, 4 Ft. Long; manufactured by the Exhibitor only. Price £2.

8336—Strong Wrought-Iron Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Painted, 62 Gallons, 5 Ft. Long; manufactured by the Exhibitor only. Price £2 5s.

8337—Strong Wrought-Iron Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Painted, 75 Gallons, 6 Ft. Long; manufactured by the Exhibitor only. Price £2 10s.

8338—Strong Wrought-Iron Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Painted, 87 Gallons, 7 Ft. Long; manufactured by the Exhibitor only. Price £2 15s.

8339—Strong Wrought-Iron Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Painted, 100 Gallons, 8 Ft. Long; manufactured by the Exhibitor only. Price £3.

8340—Strong Wrought-Iron Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Painted, 112 Gallons, 9 Ft. Long; manufactured by the Exhibitor only. Price £3 5s.

8341—Strong Wrought-Iron Circular Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Painted, 120 Gallons, 4 Ft. Diameter; manufactured by the Exhibitor only. Price £3 12s. 6d.

8342—Strong Wrought-Iron Cattle Drinking Trough, Galvanized, 75 Gallons, 6 Ft. Long; manufactured by the Exhibitor. Price £3 10s.

8343—Strong Wrought-Iron Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Galvanized, 75 Gallons, 6 Ft. Long; manufactured by the Exhibitor only. Price £3 17s. 6d.

8344—Strong Wrought-Iron Circular Cattle Drinking Trough, with "Bellamy's" Registered "Climax" Edge, Galvanized, 120 Gallons, 4 Ft. Diameter; manufactured by the Exhibitor only. Price £5 7s. 6d.

8345—Strong Wrought-Iron Hop-Pole Dipping Tank, made of 4-In. Plate, Painted, 8 Ft. Long; manufactured by the Exhibitor. Price £14.

8346—Combined Feeding and Drinking Trough, Galvanized, 2 Compartments; manufactured by the Exhibitor. Price £2 5s.

8347—Combined Feeding and Drinking Trough, Galvanized, 3 Compartments; manufactured by the Exhibitor. Price £2 7s. 6d.

8348—Sheep Trough, 8 Ft. Long, with Wheels, Handles, and Feet, painted; manufactured by the Exhibitor. Price £3 3s.

8349—Pig Trough, 4 Ft. Long, Painted; manufactured by the Exhibitor. Price 18s. 6d.

8350—Wrought-Iron Water Cart Body, Painted, 200 Gallons; manufactured by the Exhibitor. Price £5.

8351—Wrought-Iron Water Cart Body, Galvanized, 200 Gallons; manufactured by the Exhibitor. Price £7 5s.

8352—Wrought-Iron Water Cart Body, London Pattern, Painted, 200 Gallons; manufactured by the Exhibitor. Price £5 15s.

8353—Wrought-Iron Water Cart Body, Truck Size, Painted, 80 Gallons; manufactured by the Exhibitor. Price £2 10s.

8354—Wrought-Iron Water Cart Body, Truck Size, Galvanized, 80 Gallons; manufactured by the Exhibitor. Price £3 10s.

8355—Wrought-Iron Water Barrel, Painted, 150 Gallons; manufactured by the Exhibitor. Price £4 5s.

8356—Wrought-Iron Water Barrel, Galvanized, 150 Gallons; manufactured by the Exhibitor. Price £5 15s.

8357—Wrought-Iron Funnel, Painted, for Engine Use; manufactured by the Exhibitor. Price £2 17s. 6d. These funnels can be made of any size and substance. Prices upon application.

Stand No. 354.—*J. and H. Keyworth and Co., of 35, Tarleton Street, Liverpool.*

Article 8358—Patent "Buckeye" New Model Mower; manufactured by Adriance, Platt, and Co., of New York. Price £19. To cut 4 ft. 3 in.; with 2 knives, and usual extra parts.

8359—Patent "Buckeye" New Model Combined Mower and Manual Delivery Reaper; manufactured by Adriance, Platt, and Co. Price £22 10s. To cut 4 ft. 3 in.; with 2 knives, and usual extra parts. The reaping attachment is made to turn up without removing the platform.

8360—Patent "Adriance" Self-Raker Reaper; manufactured by Adriance, Platt, and Co. Price £30. To cut 5 ft.; with 2 knives, and usual extra parts. The arms can be used as rakes or beaters as desired, and the platform can be instantly and evenly tilted so as to cut laid corn. For passing through gateways the platform can be turned up without the knife or connecting rod being removed.

8361—Patent "Galloway" Self-Acting Horse Hay Rake; manufactured for and imported by the Exhibitors. Price £8 10s. Fitted with 24 elastic steel teeth, 52-in. hickory wheels, and seat for driver. No check is given to the horse by the action of the gearing, which is effected by a skid acting in a groove in the inside of the nave; is immediate, and acts upon both wheels at the same moment.

8362—Patent Grindstone for Mower and Reaper Knives; manufactured for the Exhibitors. Price £2 2s. 23 in. diameter, with pitch-pine frame, handle, treadle, and water trough, and flat face.

8363—Patent Grindstone for Mower and Reaper Knives; manufactured for the Exhibitors. Price £2 2s. 23 in. diameter; fitted similar to the above, but with A face.

8364—(*New Implement.*)—Set of "Dominion" Churns; manufactured for and imported by the Exhibitors. Price from £2 to £3. With barrel-shaped bottom, tongued, grooved, and iron bound with loose joints, which can be tightened in case of leakage. The motion of the dasher is obtained by spur-gearing. The lid is provided with a patent air infuser, admitting an ample supply of pure air, effectually precluding any slop or waste.

8365—Set of Farm Pumps, with Revolving Tops; manufactured for and imported by the Exhibitors. Price from 14s. 6d. to £1 3s.

8366—Patent "Victor" India-Rubber Wringer; manufactured for and imported by the Exhibitors. Price £1 12s. 10-in. rollers; with improved metallic spring.

8367—Patent "Victor" India-Rubber Wringer; manufactured for and imported by the Exhibitors. Price £1 17s. 11-in. rollers; with improved metallic spring.

8368—Patent "Victor" Carpet-Sweeper; manufactured for and imported by the Exhibitors. Price 15s. With driving gear so arranged as to avoid the injury occasioned to carpets by other descriptions of carpet-sweepers.

8369—(*New Implement.*)—Patent Morticing Machine; manufactured for and imported by the Exhibitors. Price £5 10s. With treadle, and with three chisels lipped to draw the chips from the mortice.

8370—(*New Implement.*)—Hand-Power Paint Mill, No. 1; manufactured for and imported by the Exhibitors. Price £2 5s. With case-hardened grinding surface, and capable of being easily taken to pieces for cleaning.

8371—(*New Implement.*)—Hand-Power Paint Mill, No. 2; manufactured for and imported by the Exhibitors. Price £3. Similar to the above, but larger and stronger.

Stand No. 355.—*Henry Bamford and Sons, of Leighton Iron Works, Uttoxeter, Staffordshire.*

Article 8372—Pony Gear, No. 3; manufactured by the Exhibitors. Price £7 5s.

8373—Safety Horse Gear, for 1 Horse, No. 2; with Intermediate Motion; manufactured by the Exhibitors. Price £11 10s.

8374—Safety Horse Gear, for 1 Horse, No. 4, with Motion on Same Frame; manufactured by the Exhibitors. Price £11.

8375—Safety Horse Gear, for 2 Horses, No. 1, with Intermediate Motion; manufactured by the Exhibitors. Price £14 10s.

8376—Chaff Cutter, to Cut 2 Lengths, marked c c 2; manufactured by the Exhibitors. Price £2 2s.

8377—Chaff Cutter, to Cut 2 Lengths, marked c 7, with Rising mouth; manufactured by the Exhibitors. Price £2 10s.

8378—Chaff Cutter, to Cut 2 Lengths, with Treadle, marked t c 7; manufactured by the Exhibitors. Price £2 17s. 6d.

8379—Chaff Cutter, to Cut 2 Lengths, marked c L; manufactured by the Exhibitors. Price £3 17s. 6d.

8380—Chaff Cutter, to Cut 2 Lengths, marked c L F, with Large Fly Wheel; manufactured by the Exhibitors. Price £4 2s. 6d.

8381—Chaff Cutter, to Cut 2 Lengths, marked c L, with Auxiliary Motion; manufactured by the Exhibitors. Price £4 2s. 6d.

8382—Chaff Cutter, to Cut 2 Lengths, marked c L F, with Auxiliary Motion; manufactured by the Exhibitors. Price £4 7s. 6d.

8383—Chaff Cutter, to Cut 3 Lengths, marked d L, with Two Handles; manufactured by the Exhibitors. Price £5 10s.

8384—Chaff Cutter, to Cut 3 Lengths, marked d L, with Stop and Reverse Motion; manufactured by the Exhibitors. Price £6 6s.

8385—Chaff Cutter, to Cut 3 Lengths, marked d L, with Stop and Reverse Motion and Pulley; manufactured by the Exhibitors. Price £6 16s.

8386—Chaff Cutter, to Cut 3 Lengths, marked R L; manufactured by the Exhibitors. Price £8 5s.

8387—Chaff Cutter, to Cut 3 Lengths, marked R L, with Auxiliary Motion; manufactured by the Exhibitors. Price £8 15s.

8388—Chaff Cutter, to Cut 3 Lengths, marked x L; manufactured by the Exhibitors. Price £10.

8389—Chaff Cutter, to Cut 3 Lengths, marked x L, with 2 Pulleys; manufactured by the Exhibitors. Price £11,

8390—Oil-Cake Mill, marked A O, Breaks 6 Sizes ; manufactured by the Exhibitors. Price £2 15s.

8391—Oil-Cake Mill, marked T C 4, Breaks 7 Sizes ; manufactured by the Exhibitors. Price £3 3s.

8392—Oil-Cake Mill, marked T S, 14½ In. Wide ; manufactured by the Exhibitors. Price £3 10s.

8393—(*New Implement.*)—Patent “Progress” Haymaker ; manufactured by the Exhibitors. Price £15.

8394—(*New Implement.*)—Patent “Progress” Haymaker, with Seat ; manufactured by the Exhibitors. Price £15 10s.

8395—(*New Implement.*)—Patent “Progress” Haymaker, without Screen ; manufactured by the Exhibitors. Price £14 10s.

8396—(*New Implement.*)—Patent “Lion” Horse Rake, Self-Acting, with 24 Teeth ; manufactured by the Exhibitors. Price £11.

8397—(*New Implement.*)—Patent “Lion” Horse Rake, Self-Acting, with 28 Teeth ; manufactured by the Exhibitors. Price £12.

8398—(*New Implement.*)—Patent “Lion” Horse Rake, Manual Delivery, with 24 Teeth ; manufactured by the Exhibitors. Price £10.

8399—(*New Implement.*)—Patent “Lion” Horse Rake, with 28 Teeth, Manual Delivery ; manufactured by the Exhibitors. Price £10 10s.

8400—Safety Wheel Sheep-Rack, for 24 Sheep ; manufactured by the Exhibitors. Price £4.

8401—Registered “Lever” Cheese Press, 20-In. ; manufactured by the Exhibitors. Price £3 7s. 6d.

8402—Registered “Lever” Cheese Press, 22-In. ; manufactured by the Exhibitors. Price £3 12s. 6d.

8403—“Lever” Cheese Press, with Rack ; manufactured by the Exhibitors. Price £2 2s.

8404—Royal “Bristol” Prize Curd Mill ; manufactured by the Exhibitors. Price £2 10s.

8405—“Eclipse” Curd Mill ; manufactured by the Exhibitors. Price £2 2s.

8406—“Eclipse” Curd Mill, to Fit across Cheese Tub ; manufactured by the Exhibitors. Price £1 10s.

8407—Milk Can and Carriage, 14 Gallons ; manufactured by the Exhibitors. Price £3 5s.

8408—Milk Can and Carriage, 16 Gallons ; manufactured by the Exhibitors. Price £3 12s. 6d.

8409—Milk Can and Carriage, 20 Gallons. Price £4.

8410—Milk Can for Railway, Extra Strong ; manufactured by the Exhibitors. Price £1 16s.

8411—Sack Truck, No. 1 ; manufactured by the Exhibitors. Price 10s. 6d.

8412—Sack Truck, No. 2 ; manufactured by the Exhibitors. Price 11s. 6d.

8413—Sack Truck, No. 3 ; manufactured by the Exhibitors. Price 14s.

8414—Sack Truck, No. 4 ; manufactured by the Exhibitors. Price 18s.

8415—Patent Chain Pump, No. 1, 2-In. Bore, 12 Ft. Long; manufactured by the Exhibitors. Price £3 10s.

8416—Patent Chain Pump, No. 1, 2½-In. Bore; manufactured by the Exhibitors. Price £3 15s.

8417—Patent Chain Pump, No. 1, 3-In. Bore; manufactured by the Exhibitors. Price £4.

8418—Patent Chain Pump, No. 1, 3½-In. Bore; manufactured by the Exhibitors. Price £5.

8419—Patent Galvanized Portable Chain Pump, 3 In. by 12 Ft., No. 58; manufactured by the Exhibitors. Price £4.

8420—Patent Covered Chain Pump, No. 2, 2½ In. by 12 Ft.; manufactured by the Exhibitors. Price £4.

8421—Patent Covered Chain Pump, No. 3, 3½ In. by 12 Ft.; manufactured by the Exhibitors. Price £6.

8422—Patent Covered Chain Pump, No. 3, 4½ In. by 12 Ft.; manufactured by the Exhibitors. Price £14 14s.

8423—Patent Covered Chain Pump, No. 3, 6 In. by 12 Ft.; manufactured by the Exhibitors. Price £20.

8424—Model Chain Pump to Show Working; manufactured by the Exhibitors. Price £10.

8425—Assortment of House and Farm Pumps; manufactured by the Exhibitors. Price from 16s.

8426—Assortment of Registered Iron Water Taps; manufactured by the Exhibitors. Price from 2s. 9d.

8427—Swing Tubular Water Barrow; manufactured by the Exhibitors. Price £2 10s.

8428—Registered "Model" Garden Engine, No. 10; manufactured by the Exhibitors. Prices £3 5s.

8429—Ornamental Garden Seat; manufactured by the Exhibitors. Price £2 15s.

8430—One Pair of Garden Vases and Pedestal; manufactured by the Exhibitors. Price £3 5s.

8431—"Albion" Haymaker; manufactured by the Exhibitors. Price £14 14s.

Stand No. 356.—*Frederick and Horace Randell, of St. Nicholas Works, North Walsham, Norfolk.*

Article 8432—Water Cart, No. 202, to hold 100 Gallons; manufactured by the Exhibitors. Price £9. Mounted on 3 high wheels, tubular-iron shafts, and fitted with an improved iron tap. Adapted for gentlemen's grounds.

8433—Water or Liquid-Manure Cart; manufactured by the Exhibitors. Price £10 10s. To hold 140 gallons. Similar to the preceding, but larger and stronger. Constructed for general purposes; will also serve as a drinking tank for the field.

8434—Water or Liquid-Manure Cart; manufactured by the Exhibitors. Price £22 10s.; manure distributor, £1 extra. To hold 200 gallons. Mounted on 2 wood wheels, with 4-in. tires. Fitted with pump, india-rubber suction pipe, clip and strainer. Constructed for agricultural or contractors' purposes.

8435—Swing Water Cart; manufactured by the Exhibitors. Price £7. To hold 80 gallons. Galvanized after being made. Fitted with close lid and tubular-iron shafts. Suitable for a pony.

8436—Wrought-Iron Drinking Tank; manufactured by the Exhibitors. Price £2 10s. To hold 60 gallons; painted.

8437—Wrought-Iron Drinking Tank; manufactured by the Exhibitors. Price £4. To hold 85 gallons. Mounted on 4 strong wheels, and fitted with ring at each end for moving; painted.

8438—(*New Implement.*)—Double-Furrow Plough; manufactured by the Exhibitors. Price £10. Simply constructed; fitted with steering and lever arrangements, for lifting clear of ground whilst turning at the headlands.

8439—(*New Implement.*)—Patent Convertible Land-Roller; manufactured by the Exhibitors. Price £15. Entirely new principle for giving equal pressure upon uneven land. Supersedes the old long-barrel roller, turning easily without tearing the crops; fitted with steel cylinders, and can be used either as a light or heavy roller.

8440—(*New Implement.*)—New Slush or Sanitary Cart; manufactured by the Exhibitors. Price £25. The body is entirely of wrought-iron, newly designed, and suspended on the axle, so that it can be turned over to discharge its load; fitted with wrought-iron tubular shafts, and will be found invaluable for removing night soil.

8441—(*New Implement.*)—Steering Horse-Hoe; manufactured by the Exhibitors. Price £7. Simply constructed; adapted for hoeing 3 rows of roots at any distance apart, either on the ridge or flat.

8442—Expanding Horse Hoe; manufactured by the Exhibitors. Price £3 5s. Simply and strongly constructed. The handles are fitted so as to be easily detached for packing; with cast-steel blade. Chain harrow for ditto, 10s. extra.

8443—2-Row Mangold and Turnip Drill; manufactured by the Exhibitors. Price £6 6s. Fitted with lever arrangement for throwing it off seed, and hind rollers. Simply constructed.

8444—2-Row Mangold and Turnip Drill; manufactured by the Exhibitors. Price £10 10s. Constructed for drilling ridges from 22 in. to 32 in. wide. Wheels 3 ft. 6 in. high; with improved lifting gear and change-wheels.

Stand No. 357.—*Frederick Tindall, of Preston Works, Flaversham, Kent.*

Article 8445—7-Row Corn and Seed Drill; invented and manufactured by the Exhibitor. Price £23 10s.; seed barrel, £1 5s. extra. With fore-carriage 6½ ft. wide, and is provided with an apparatus for raising and lowering the shares by which they can be made to go a great depth. The shares are shaped so that they work and cultivate the ground, and leave good bottoms to the furrows.

8446—5-Row Corn and Seed Drill; invented and manufactured by the Exhibitor. Price £19 10s.; seed barrel, £1 extra. With fore-carriage 5 ft. wide, and lifting apparatus for raising and lowering the shares.

8447—3-Share Corn and Seed Drill; invented and manufactured by the Exhibitor. Price £11 10s.; seed barrel, 15s. extra. Without lifting apparatus, but with handles to lift by at the end of fields.

8448—9-Row Lever or Suffolk Drill; invented and manufactured by the Exhibitor. Price £30; seed barrel, £1 7s. 6d. extra. A strong-made drill; all real and substantial improvements are introduced.

8449—2-Row 1-Horse Mangold and Turnip Seed Drill; invented and manufactured by the Exhibitor. Price £8. A very simple and efficient drill, and is easily worked with one horse; puts in 20 in., 22 in., and 24 in. apart.

8450—Corn-Dressing Machine; invented and manufactured by the Exhibitor. Price £10. Provided with sieves, screens, and blow boards. The crank is driven with bevel wheels, which can easily be thrown out of gear and used as a blower. It is well made in every part, combining improvements and the experience of 50 years.

8451—East-Kent Hop Garden Grubber or Cultivator; invented and manufactured by the Exhibitor. Price £5. A short, powerful implement for deep cultivation. Different width of points can be used.

8452—East-Kent Hop Garden Nigget; invented and manufactured by the Exhibitor. Price £5 10s. For deep cultivation in hop grounds; can also be used for preparing the land after the broadshare and plough.

8453—East-Kent Hop Garden Nigget; invented and manufactured by the Exhibitor. Price £4 10s. Made for one horse and lighter work.

Stand No. 358.—*Messrs. Pamphilon and Co., of Whittlesford, Cambridge.*

Article 8454—(*New Implement.*)—Pamphilon's Patent Farm-Yard Manure-Spreading Machine; manufactured by the Exhibitors. Price £20. Attached to a hook in the centre of the cart axle, and following receives the manure, which is unloaded while the cart is in motion by a man riding on the machine, and, passing through, is evenly distributed upon the land. Will spread about 70 loads a day; the labour of spreading entirely saved.

8455—(*New Implement.*)—Machine for Spreading Farm-Yard Manure, Artificial Manure, Soot, or Soil; manufactured by the Exhibitors. Price £30. Similar to Pamphilon's patent dung-spreader. For spreading soot, &c. A box is placed in the interior, which will hold about 2 sacks of manure, and as it is drawn over the field spreads the manure over 7 ft. of ground. Also supplied with a tank to hold 100 gallons of water or liquid manure, £10 extra.

8456—Peyton's Patent Smoke-Consumer and Steam Generator; manufactured by the Exhibitors. Price £12 10s. This machine takes the place of the bridge, and is fitted with an inlet or aperture for the admission of air under the fire bars, from whence, getting heated, it passes into two chambers at the back, and comes out in the rear at the top, and mingling with the smoke, causes complete combustion.

Stand No. 359.—*George Stacey and Sons, Uxbridge, Middlesex.*

Article 8457—Iron-Frame Chaff-Cutting Machine, 10½-In. Mouth, 2 Concave Knives; manufactured by the Exhibitors. Price £10 10s.

8458—Iron-Frame Chaff Cutter, 2 Concave Knives, 12-In. Mouth; manufactured by the Exhibitors. Price £11 10s.

8459—Iron-Frame Chaff Cutter, 3 Concave Knives, 14-In. Mouth ; manufactured by the Exhibitors. Price £16 10s.

8460—Iron-Frame Chaff Cutter, 2 Concave Knives, 8-In. Mouth ; manufactured by the Exhibitors. Price £3 10s.

8461—Wood-Frame Concave 2-Knife Chaff Cutter, 9½-In. Mouth ; manufactured by the Exhibitors. Price £7.

8462—Wood-Frame Concave 2-Knife Chaff Cutter, 10½-In. Mouth ; manufactured by the Exhibitors. Price £8.

8463—Wood-Frame Concave 2-Knife Chaff Cutter, 12-In. Mouth ; manufactured by the Exhibitors. Price £9 ; with side handle, 15s. extra.

8464—1-Horse Power, with Intermediate Motion ; manufactured by the Exhibitors. Price £12 10s. With connecting rods and shafts complete.

8465—Barley Hummeller ; manufactured by the Exhibitors. Price £4.

8466—Improved Iron-Frame Market-Gardeners' Seed Drill, 2 Rows ; manufactured by the Exhibitors. Price £4 10s.

8467—Iron-Frame Market-Gardeners' Seed Drill, 4 Rows ; manufactured by the Exhibitors. Price £6.

8468—Iron-Frame Market-Gardeners' Seed Drill, 6 Rows ; manufactured by the Exhibitors. Price £7 10s.

Stand No. 360.—*John Wilder, of Yield Hall Foundry, Reading, Berks.*

Article 8469—Chaff Cutter, Marked No. 00 ; manufactured by the Exhibitor. Price £1 17s. 6d.

8470—Chaff Cutter, Marked No. 0 ; manufactured by the Exhibitor. Price £2 2s.

8471—Chaff Cutter, Marked No. 1 ; manufactured by the Exhibitor. Price £2 10s.

8472—Chaff Cutter, Marked No. 1 A ; manufactured by the Exhibitor. Price £3.

8473—Chaff Cutter, Marked No. 1 A A ; manufactured by the Exhibitor. Price £3 5s.

8474—Chaff Cutter, Marked No. 3 ; manufactured by the Exhibitor. Price £5 5s.

8475—Chaff Cutter, Marked No. 4 ; manufactured by the Exhibitor. Price £6 17s. 6d. For hand power.

8476—Chaff Cutter, Marked No. 4 A ; manufactured by the Exhibitor. Price £6 17s. 6d. For horse power.

8477—(*New Machine.*)—Chaff Cutter, Marked No. 5 ; manufactured by the Exhibitor. Price £8 10s.

8478—(*New Machine.*)—Chaff Cutter, Marked No. 5 A ; manufactured by the Exhibitor. Price £8 17s. 6d. Fitted with new foot arrangement for reversing the feed.

8479—(*New Machine.*)—Chaff Cutter, Marked No. 6 ; manufactured by the Exhibitor. Price £11 10s.

8480—Oil-Cake Mill, Marked No. 1 ; manufactured by the Exhibitor. Price £3 7s. 6d.

8481—Oil-Cake Mill, Marked No. 2; manufactured by the Exhibitor. Price £4 4s.

8482—(*New Machine.*)—Horse Gear, No. 1; manufactured by the Exhibitor. Price £8 7s. 6d.

8483—(*New Machine.*)—Horse Gear, Marked No. 2; manufactured by the Exhibitor. Price £8 15s.

8484—Horse Gear, Marked No. 3; manufactured by the Exhibitor. Price £10 15s.

8485—Horse Gear, Marked No. 4; manufactured by the Exhibitor. Price £11 11s.

8486—Street Watering Machine; manufactured by the Exhibitor. Price £25.

8487—Set of Improved Machinery for Deep Wells; manufactured by B. J. and H. Wilder, of Wallingford. Price £47; wire rope for ditto, 6d. per ft. extra.

Stand No. 361.—*Richmond and Chandler, of Salford, Manchester.*

Article **8488**—Chaff Cutter, No. 0; manufactured by the Exhibitors. Price £2 5s.

8489—Chaff Cutter, No. 58; manufactured by the Exhibitors. Price £2 10s.

8490—Chaff Cutter, No. 58, to cut Two Lengths; manufactured by the Exhibitors. Price £2 13s.

8491—Chaff Cutter, No. 58 A; manufactured by the Exhibitors. Price £2 10s.

8492—Chaff Cutter, No. 58 A, to cut Two Lengths; manufactured by the Exhibitors. Price £2 13s.

8493—Chaff Cutter, No. 57; manufactured by the Exhibitors. Price £3 15s.

8494—Chaff Cutter, No. 61; manufactured by the Exhibitors. Price £4 2s. 6d.

8495—Chaff Cutter, No. 61, with Large Fly-Wheel; manufactured by the Exhibitors. Price £4 7s. 6d.

8496—Chaff Cutter, No. 60 A; manufactured by the Exhibitors. Price £5 2s. 6d.

8497—Chaff Cutter, No. 59; manufactured by the Exhibitors. Price £5 15s.

8498—Chaff Cutter, No. 3 c, and Ratchet Handle, for 2 Men to Work; manufactured by the Exhibitors. Price £8.

8499—Chaff Cutter, No. 4 D; manufactured by the Exhibitors. Price £11; pulley extra.

8500—Chaff Cutter, No. 63; manufactured by the Exhibitors. Price £7 15s.; web, £1 extra.

8501—Chaff Cutter, No. 64; manufactured by the Exhibitors. Price £10 10s.; web, £1 extra. (*See Machines in Motion.*)

8502—Chaff Cutter, No. 65; manufactured by the Exhibitors. Price £14.12s. 6d.; web, £1 10s.; pulley, extra.

8503—Chaff Cutter, No. 66; manufactured by the Exhibitors. Price £17 17s. 6d.; web, £1 10s.; pulleys, extra. (*See Machines in Motion.*)

8504—Chaff Cutter, No. 67; manufactured by the Exhibitors. Price £22 10s.; web, £1 10s.; pulleys, extra. (*See Machines in Motion.*)

8505—Chaff Cutter, No. 64; manufactured by the Exhibitors. Price £10 10s.; web, £1; pulleys, extra. (*See Machines in Motion.*)

8506—Chaff Cutter, No. 66; manufactured by the Exhibitors. Price £17 17s. 6d.; web, £1 10s.; pulleys, extra. (*See Machines in Motion.*)

8507—Chaff Cutter, No. 67; manufactured by the Exhibitors. Price £22 10s.; pulleys and web, extra. (*See Machines in Motion.*)

8508—(*New Implement.*)—Corn Crusher, No. 3; manufactured by the Exhibitors. Price £16 7s. 6d., including the new sifting arrangement; pulleys, extra.

8509—(*New Implement.*)—Corn Crusher, No. 4; manufactured by the Exhibitors. Price £17 10s. Fitted with new safety springs; pulleys, extra. (*See Machines in Motion.*)

8510—(*New Implement.*)—Corn Crusher, No. 0; manufactured by the Exhibitors. Price £3 10s.

8511—Corn Crusher, No. 1; manufactured by the Exhibitors. Price £5 10s.

8512—Corn Crusher, No. 2; manufactured by the Exhibitors. Price £7.

8513—(*New Implement.*)—Corn Crusher, No. 3; manufactured by the Exhibitors. Price £11 7s. 6d.; pulleys, extra; safety springs, £1 5s. extra.

8514—Corn Crusher, No. 4; manufactured by the Exhibitors. Price £16; pulleys, extra. (*See Machines in Motion.*)

8515—Litter-Cutting Machine, to cut Two Lengths; manufactured by the Exhibitors. Price £6 15s.

8516—1-Horse Gear, No. 0; manufactured by the Exhibitors. Price £13; pulley, extra.

8517—2-Horse Gear, No. 2; manufactured by the Exhibitors. Price £17 10s.; pulley, extra.

8518—4-Horse Gear, No. 4; manufactured by the Exhibitors. Price £26 15s.; pulley, extra.

8519—Root Washer, No. 0; manufactured by the Exhibitors. Price £3.

8520—Root Washer, No. 1; manufactured by the Exhibitors. Price £4 15s.

8521—Steaming Apparatus; manufactured by the Exhibitors. Price £9 5s.

8522—Turnip Cutter, No. 1 s; manufactured by the Exhibitors. Price £3.

8523—Root Pulper, No. 1 p; manufactured by the Exhibitors. Price £3.

8524—Root Pulper, No. 2 p; manufactured by the Exhibitors. Price £4 5s.

8525—Root Pulper, No. 3 p; manufactured by the Exhibitors. Price £5 5s.; pulley, extra.

8526—Kneading Machine, No. 1; manufactured by the Exhibitors. Price £4 12s. 6d.

8527—Kneading Machine, No. 3; manufactured by the Exhibitors. Price £28; pulleys, extra.

8528—4-Horse Steam Engine; manufactured by Clayton and Shuttleworth, of Lincoln. Price £150.

Stand No. 362.—*Perkins, Paternoster, and Burlingham, of the Iron Works, Hitchin, Hertfordshire.*

Article 8529—Patent Stacking Machine; manufactured by the Exhibitors. Price £47 10s. Will deliver to a height of 30 ft. By using the patent lifting hopper it will top up a stack without any pitch-hole.

8530—Patent Combined Stacking Machine and Straw Elevator; manufactured by the Exhibitors. Price £48 10s. Delivers to a height of 30 ft., and can be driven by pony or horse gear, or attached to a thrashing machine.

8531—Patent Stacking Machine; manufactured by the Exhibitors. Price £52 10s. Delivers 35 ft. high, and is especially adapted for stacking hay.

8532—(*New Implement.*)—Pony Gear; manufactured by the Exhibitors. Price £8. Very strong and simple; mounted on large triangular base, which gives great solidity when in work, and mounted on travelling wheels to run behind a stacker.

8533—1-Horse Gear; manufactured by the Exhibitors. Price £9 10s. Mounted on strong oak frame, and travelling wheels.

8534—1-Horse Gear; manufactured by the Exhibitors. Price £9 10s. Mounted on strong oak frame, with second motion; in same frame for driving chaff-cutter or pulper.

8535—1-Horse Power Vertical Steam Engine and Boiler; manufactured by F. S. Hindley, of Honiton. Price £39; three travelling wheels and handle, £2 extra.

8536—Patent Regulating Reaper; manufactured by Burgess & Key, of Brentwood. Price £35. By means of the regulating delivery the sheaves can be made of any size required. Fitted with 2 knives.

8537—Patent Self-Raking Reaper; manufactured by Hornsby & Sons, of Grantham. Price £30. With 4 rakes for sheaf or swathe delivery as desired; with large wrought-iron road wheel, and new and greatly improved arrangement of interchangeable rake centres, and 2 knives. If with 6 rakes, £32.

8538—Patent Self-Raking Reaper; manufactured by Samuelson & Co., of Banbury. Price £27 10s. With 2 knives; if fitted with apparatus for controlling the rakes, £1 10s. extra.

8539—Howard's Anglo-American Self-Acting Horse Rake; manufactured by J. and F. Howard, of Bedford. Price £8 8s. Strong, simple, efficient, and durable; 24 teeth.

8540—Ransome's Anglo-American Horse Rake; manufactured by Ransome, Sims & Head, of Ipswich. Price £9 10s. With 28 steel teeth, made of the T section.

8541—American Horse Hay Rake; manufactured by Hollingsworth. Price £10 10s. Very light and efficient.

8542—Patent Self-Acting Horse Rake, s 2 R; manufactured by Nicholson & Son, of Newark. Price £12. With 28 H-section steel teeth. Won the First Prize at the last Royal Society's Trials, Taunton, 1876. It is very strongly recommended.

8543—New Patent Double-Action Haymaker; manufactured by Nicholson & Son. Price £12 12s. The gearing for reversing the action is very simple and effective.

8544—(*New Implement.*)—Cast-Iron Sectional Field Roller; manufactured by the Exhibitors. Price £11. Diameter 20 in., width 6 ft. 6 in. Made similar in construction to the "Cambridge" Crusher, but with flat-faced segments instead of fluted.

8545—Set of Prize Zigzag Iron Handled Drag Harrows, No. 3; manufactured by the Exhibitors. Price £5. With 30 teeth covering 7 ft. 9 in.; weighing about 2½ cwt.

8546—Set of Prize Zigzag Iron Handled Drag Harrows, No. 3½; manufactured by the Exhibitors. Price £5 15s. With 40 teeth covering 8 ft. 6 in.; weighing about 2½ cwt.

8547—Set of Prize Zigzag Iron Handled Drag Harrows, No. 4; manufactured by the Exhibitors. Price £6. With 40 teeth covering 9 ft. 9 in.; weighing about 3 cwt.

8548—Set of Diagonal Iron Seed Harrows, No. 00; manufactured by the Exhibitors. Price £2 2s. Cover 7 ft. 9 in.; weight 2 qrs. 21 lbs.

8549—Set of Diagonal Iron Harrows No. 1; manufactured by the Exhibitors. Price £3 10s. Cover 8 ft. 3 in.; weight 1 cwt. 1 qr.

8550—Set of Diagonal Iron Harrows, No. 2; manufactured by the Exhibitors. Price £4. Cover 9 ft. 8 in.; weight 2 cwt.

8551—Set of Howard's New Flexible Steel Chain Harrows; manufactured by J. & F. Howard, of Bedford. Price £4. A most valuable harrow for grass land.

8552—Assortment of Patent Iron Reaper and Mower Shafts; manufactured by the Exhibitors. Price from £1.

8553—Patent A Frame Sacklifter; manufactured by the Exhibitors. Price £2 10s.

8554—Patent A Frame Sacklifter, Loader, and Shooter; manufactured by the Exhibitors. Price £3 17s. 6d.

8555—Patent A Frame Sacklifter, Loader, and Shooter; manufactured by the Exhibitors. Price £4 17s. 6d.

8556—Assortment of Sack Barrows; manufactured by the Exhibitors. Price from 10s. 6d.

8557—Improved Barrel Churn, No. 2 A; manufactured by Robinson & Richardson, of Kendal. Price £3 5s. To churn from 1 lb. to 12 lbs. of butter.

8558—Improved Barrel Churn, No. 1; manufactured by Robinson and Richardson. Price £4. To churn from 1 lb. to 15 lbs. of butter.

8559—Improved Barrel Churn, No. 3; manufactured by Robinson and Richardson. Price £4 10s. To churn from 1 lb. to 25 lbs. of butter.

8560—(*New Article.*)—New Patent Revolved Bedroom Grate; manufactured by the Exhibitors. Price £1 12s. Constructed with two fire-places. Especially adapted for use in bedrooms or where a fire is required to

be ready for lighting in the morning, thus avoiding the keeping up of the fire during the night and the servant relighting it in the morning. The price of the stove is little more than that of the ordinary register grate.

8561—New Patent Revolved Bedroom Grate; manufactured by the Exhibitors. Price £1 18s.

8562—New Patent Revolved Bedroom Grate; manufactured by the Exhibitors. Price £2 10s.

8563—New Patent Revolved Bedroom Grate; manufactured by the Exhibitors. Price £3.

Stand No. 363.—*George H. Innes, of Market Hill, Royston, Hertford.*

Article 8564—Pair of No. 2 Iron Drag Harrows, Complete; manufactured by the Exhibitor. Price £5 5s.

8565—Single No. 2 Iron Drag Harrow, with 2 Handles, for Small Occupations; manufactured by the Exhibitor. Price £2 15s.

8566—Set of No. 0 Diagonal Iron Seed Harrows; manufactured by the Exhibitor. Price £2 7s. 6d.

8567—Set of No. 2 Diagonal General Purpose Iron Harrows; Complete; manufactured by the Exhibitor. Price £4.

8568—Light Double Furrow Plough, α H 1 2, with Steel Breasts and Expanding Beams; manufactured by the Exhibitor. Price £7.

8569—Strong Double Furrow Plough, α H 1 4, with Steel Breasts and Expanding Beams; manufactured by the Exhibitor. Price £8.

8570—Square Iron Water Cart to Hold 120 Gallons; manufactured by the Exhibitor. Price £14.

8571—Circular Iron Water Cart to Hold 120 Gallons; manufactured by the Exhibitor. Price £15 10s.

8572—3-Ft. Humane Iron Lamb Hurdle; manufactured by the Exhibitor. Price 10s. 6d.

8573—6-Ft. Humane Iron Lamb Hurdle; manufactured by the Exhibitor. Price 18s. 6d.

8574—Oval Prong Barley Gathering Fork; manufactured by the Exhibitor. Price 7s.

8575—Round Prong Barley Gathering Fork; manufactured by the Exhibitor. Price 6s. 6d.

8576—(*New Implement.*)—Full Size Model of Hunt's Patent Self-Acting Safety Drum Guard for Steam Thrashing Machines; manufactured by the Exhibitor. Price £3.

8577—Samples of Thurnall's Patent Latches for Stable Doors, Loose Boxes, &c.; manufactured by the Exhibitor. Price from 3s. 6d. each.

8578—Sample Sheets of Galvanized Corrugated Roofing Iron, for Farm Buildings, in Sheets 4 Ft., 5 Ft., 6 Ft., and 8 Ft. long; manufactured by the Exhibitor. Price from £15 per ton.

8579—(*New Implement.*)—Drum Guard for Portable Steam Engine and Thrashing Machine; manufactured by the Exhibitor. Price £3. (*See Machines in Motion.*)

Stand No. 364.—*Powell, Smith, Lamb and Co.,
of Gippeswyk Iron Works, Ipswich.*

Article 8580—Horse Rake; manufactured by the Exhibitors. Price £12. This implement has some recent improvements, and is fitted with driving seat, and each tooth counterbalanced; mounted on wood wheels 48 in. high. (*For Trial.*)

8581—Horse Rake; manufactured by the Exhibitors. Price £11 18s. 6d. This implement is fitted with patent adjustment for raking furrows; mounted upon wrought-iron wheels 42 in. high.

8582—Horse Rake; manufactured by the Exhibitors. Price £11. This implement is fitted with shifting counterbalances and extirpator points to each tooth, and mounted upon iron wheels. (*For Trial.*)

8583—(*New Implement.*)—Horse Rake; manufactured by the Exhibitors. Price £12 5s. A newly-constructed horse rake, with improved leverage and new adjustments for wheel axles; fitted with driving seat and upon wheels 48 in. high. (*For Trial.*)

8584—(*New Implement.*)—Potato Drill; manufactured by the Exhibitors. Price £15 10s. Fitted with two or more discs and cups; upon wood wheels. (*For Trial.*)

8585—(*New Implement.*)—Cultivator; manufactured by the Exhibitors. Price £10. Fitted with seven tines and shares and chisel points.

8586—Set of Newly-Improved Harrows; manufactured by the Exhibitors. Price £3 15s. These harrows are fitted with newly-improved teeth and fastenings and whippetree to cover 8 ft. 6 in.

8587—Newly-Improved Rack for Feeding Sheep; manufactured by the Exhibitors. Price £3 10s. This rack has some recent improvements; it is for 24 sheep.

8588—(*New Implement.*)—New Patent Drill; manufactured by the Exhibitors. Price £25. For drilling corn and seeds; all cups and cog-wheels are entirely dispensed with; the coulters are fixed to spring levers and the steering is managed by the driver from a seat fixed over box; the distribution of corn and seed is regulated by a sliding plate. (*For Trial.*)

Stand No. 365.—*Arthur Lowcock, of Coleham
Foundry, Shrewsbury, Shropshire.*

Article 8589—2-Horse "Standard" Grass Mower; manufactured by the Exhibitor. Price £18 10s. Right-hand cutter bar, 4 ft. 3 in. long, complete, with two knives, box of tools and usual extras.

8590—2-Horse "Standard" Combined Mower and Reaper; manufactured by the Exhibitor. Price £22 10s. Right-hand cutting bar, 4 ft. 3 in. long, complete, with two knives, box of tools and usual extras.

8591—Reaper Knife Vice; manufactured by the Exhibitor. Price 10s. 0d.

8592—"Star" Chaff Cutter, No. 1; manufactured by the Exhibitor. Price £2 2s. Suitable for small occupiers. Size of mouthpiece 7½ in. by 2½ in.; length of cut ¾ in., with large fly-wheel.

8593—"Star" Chaff Cutter, No. 1 A; manufactured by the Exhibitor. Price £2 5s. Similar to preceding machine; mouthpiece 3½ in. by 2½ in.; cuts two lengths.

8594—"Star" Chaff Cutter, No. 0; manufactured by the Exhibitor. Price £2 12s. 6d. Rising mouthpiece $8\frac{1}{2}$ in. wide, rising to 3 in.; especially adapted for export, as the machine can be taken to pieces and packed in small compass.

8595—"Star" Chaff Cutter, with Extra Large Fly-Wheel, No. 1 H; manufactured by the Exhibitor. Price £3 17s. 6d. Mounted on strong cast-iron frame and legs. All the gearing is well covered; rising mouthpieces $8\frac{1}{2}$ in. wide, rising 4 in.; cuts two lengths of chaff $\frac{3}{4}$ in. and $\frac{1}{2}$ in. without change of wheels.

8596—"Star" Chaff Cutter, No. 9 H; manufactured by the Exhibitor. Price £16 16s. Fitted with Exhibitor's patent safety bar, stop and reverse motion; has 3 knives; cuts two lengths of chaff without change of wheels or stopping machine; mouthpiece $13\frac{1}{2}$ in., rising to 6 in.; a very powerful machine. Lever bar has an arrangement for stopping and reversing rollers. (*For Trial.*)

8597—Improved Disc Turnip Slicer, No. A 1; manufactured by the Exhibitor. Price £2 17s. 6d. Iron top and ornamental cover; fast cutting machine; easily worked by a boy.

8598—Improved Disc Root Pulper, No. 0; manufactured by the Exhibitor. Price £3 10s. Heavy disc wheel; fitted with six adjustable knives, and so arranged that no two pass over the same track, therefore the machine cannot possibly choke; iron top and extra large hopper.

8599—Improved Treble-Action Root Pulper, Slicer and Fingrer, No. 0 T A; manufactured by the Exhibitor. Price £6. Does the work equal to three separate machines.

8600—Improved Cake Mill; manufactured by the Exhibitor. Price £3 5s. Breaks six sizes of cake; fitted with falling lids to form a large hopper; can be supplied 14 in. wide to break American cake without extra cost.

8601—"Little Gem" Hand Thrasher; manufactured by the Exhibitor. Price £6 10s. A complete and useful machine; suitable for small occupiers; to work by hand or horse power; will thrash from 10 to 12 bushels per hour.

8602—Double Cylinder Garden Roll, 22 In. Diameter, with Balance Handle; manufactured by the Exhibitor. Price £2 17s.

8603—Improved Pig Trough, 2 Ft. by 8 In.; manufactured by the Exhibitor. Price 3s. 6d.

8604—Improved Pig Trough, 2 Ft. by 10 In.; manufactured by the Exhibitor. Price 4s. 6d.

8605—Improved Pig Trough, 2 Ft. by 12 In.; manufactured by the Exhibitor. Price 5s. 6d.

Stand No. 366.—*William Philip Baker, of the Phoenix Works, King's Lynn, Norfolk.*

Article 8606—Horse Rake, Marked Size H; manufactured by the Exhibitor. Price £9 10s. Rake with 27 teeth, all steel; suitable either for riding or walking; wrought-iron wheels 3 ft. 6 in. high. Extremely simple and light in draught.

8607—Horse Rake, Marked Size I; manufactured by the Exhibitor. Price £10 10s. Rake with 29 teeth, all steel; suitable for riding or walking; wood wheels 3 ft. 6 in. high.

8608—Horse Rake, Marked Size J ; manufactured by the Exhibitor. Price £10. Rake with 31 teeth, all steel ; suitable for walking only ; wrought-iron wheels 3 ft. 6 in. high.

8609—Horse Rake, Marked Size A ; manufactured by the Exhibitor. Price £7 10s. Rake with 22 teeth, all steel ; suitable for walking only ; with 32 in. cast-iron wheels shod with wrought-iron tyres.

8610—Horse Rake, Marked Size B ; manufactured by the Exhibitor. Price £8 15s. Rake with 24 teeth, all steel ; suitable for walking only ; with 3 ft. 6 in. wrought-iron wheels.

8611—Horse Rake, Marked Size C ; manufactured by the Exhibitor. Price £9 15s. Rake with 26 teeth, all steel ; suitable for walking only ; with 3 ft. 6 in. wood wheels. Fitted with an arrangement for holding back every alternate tooth when required.

Stand No. 367.—*Nathan Warren, of Elmswell, Bury St. Edmunds, Suffolk.*

Article 8612—Horse Hoe, with Light and Easy Steerage, 6 Ft. Wide ; manufactured by the Exhibitor. Price £8 15s. Adapted to flat, stetch, or ridge land, with sliding shafts, and sliding axle for horses to walk in furrow when required. Fitted with L hoes.

8613—Horse Hoe, with Light and Easy Steerage, 5 Ft. Wide ; manufactured by the Exhibitor. Price £8 5s. Adapted to flat, stetch, or ridge land, with sliding shafts, and sliding axle for horses to walk in furrow when required. Fitted with A hoes.

8614—(*New Implement.*)—Set of Humane Convertible Vermin Decoy Traps ; manufactured by the Exhibitor. Price £1 1s. Made in five separate compartments, with separate box for the bait. To be set in a cluster, or separately, and can be used among game or fowls without injury.

Stand No. 368.—*W. G. Wholey, of the Perseverance Iron Works, Alford, Lincolnshire.*

Article 8615—Horse Rake ; manufactured by the Exhibitor. Price £8 £10s.

8616—(*New Implement.*)—Lifting Drag Harrow, with Pulveriser Attached ; manufactured by the Exhibitor. Price £9 10s.

8617—(*New Implement.*)—Set of Improved Patent Joint Harrows ; manufactured by the Exhibitor. Price £3 10s.

8618—(*New Implement.*)—New Patent Root-Cutting Machine ; manufactured by the Exhibitor. Price £2 10s.

Stand No. 369.—*John Lancaster, of Vine House, Canning Town, E., Essex.*

Article 8619—(*New Implement.*)—Improved Self-Cleaning Clod Crusher ; invented and manufactured by the Exhibitor. Price £16 to £24, according to size and weight. (*For Trial.*)

Stand No. 370.—*The "Gem" Horse Rake and Implement Co. (Limited), of the "Gem" Iron Works, Dunstable, Bedford.*

Article 8620—(*New Implement.*)—New Patent Self-Acting Horse Rake, with 48-In. Wheels and 28 Teeth; manufactured by the Exhibitors. Price £8. This rake is of entirely new design, and adapted for all countries.

8621—New Patent Self-Acting Horse Rake, with 48-In. Wheels and 24 Teeth; manufactured by the Exhibitors. Price £7 10s.

8622—New Patent Combined Self-Acting and Manual Delivery Horse Rake, the "Gem"; manufactured by the Exhibitors. Price £12.

8623—New Patent Manual Delivery Horse Rake, with 54-In. Wheels and 28 Teeth; manufactured by the Exhibitors. Price £11 10s.

8624—New Patent Combined Sack Lifter, Loader, and Shooter; manufactured by the Exhibitors. Price £4 10s.

8625—New Patent Combined Sack Lifter and Loader; manufactured by the Exhibitors. Price £3 10s.

8626—New Patent Sack Lifter; manufactured by the Exhibitors. Price £2 7s. 6d.

8627—New Patent Combined Sack Lifter and Weighing Machine; manufactured by the Exhibitors. Price £5.

8628—Pair of Improved Drag Harrows; manufactured by the Exhibitors. Price £5.

8629—Improved Circular Sheep Crib; manufactured by the Exhibitors. Price £1 12s.

8630—Improved Circular Sheep Crib, Fitted with Cover, 4 ft.; manufactured by the Exhibitors. Price £2 5s.

8631—Improved Luggage Barrow; manufactured by the Exhibitors. Price £1 1s.

8632—Sample of Improved Sheep Folding Hurdles; manufactured by the Exhibitors. Price 2s. 9d. each.

Stand No. 371.—*Archibald Kenrick and Sons, of Westbromwich, Staffordshire.*

Article 8633—American Coffee, Drug, and Spice Mill, No. 1 A; manufactured by the Exhibitors. Price 17s. Adapted to grind all sorts of grain.

8634—American Coffee, Drug, and Spice Mill, No. 1; manufactured by the Exhibitors. Price £1 6s. Adapted to grind all sorts of grain.

8635—American Coffee, Drug, and Spice Mill, No. 2 A; manufactured by the Exhibitors. Price £1 6s. Adapted to grind all sorts of grain.

8636—American Coffee, Drug, and Spice Mill, No. 2; manufactured by the Exhibitors. Price £1 17s. Adapted to grind all kinds of grain.

8637—American Coffee, Drug, and Spice Mill, No. 3 A; manufactured by the Exhibitors. Price £2 10s. Adapted to grind all kinds of grain.

8638—American Coffee, Drug, and Spice Mill, No. 3; manufactured by the Exhibitors. Price £3. Adapted to grind all kinds of grain.

8639—American Coffee, Drug, and Spice Mill, No. 4 A; manufactured by the Exhibitors. Price £3 10s. Adapted to grind all kinds of grain.

8640—American Coffee, Drug, and Spice Mill, No. 4; manufactured by the Exhibitors. Price £4 5s. Adapted to grind all kinds of grain.

8641—American Coffee, Drug, and Spice Mill, No. 4½ A; manufactured by the Exhibitors. Price £5 10s. Adapted to grind all kinds of grain.

8642—American Coffee, Drug, and Spice Mill, No. 4½; manufactured by the Exhibitors. Price £6. Adapted to grind all kinds of grain.

8643—American Coffee, Drug, and Spice Mill, No. 5½ A; manufactured by the Exhibitors. Price £7 5s. Adapted to grind all kinds of grain.

8644—American Coffee, Drug, and Spice Mill, No. 5½; manufactured by the Exhibitors. Price £8. Adapted to grind all kinds of grain.

8645—Hatfield's Patent Roller, for Sliding Door, to Run 2 Ft.; manufactured by the Exhibitors. Price 8s. 6d.

8646—Hatfield's Patent Roller, for Sliding Door, to Run 3 Ft.; manufactured by the Exhibitors. Price 5s. 6d.

8647—Hatfield's Patent Roller, for Sliding Door, to Run 4 Ft.; manufactured by the Exhibitors. Price 8s.

8648—Hatfield's Patent Roller, for Sliding Door, to Run 5 Ft.; manufactured by the Exhibitors. Price 12s.

8649—Hatfield's Patent Roller, for Sliding Door, to Run 6 Ft.; manufactured by the Exhibitors. Price 15s.

8650—Hatfield's Patent Roller, for Sliding Door, to Run 7 Ft.; manufactured by the Exhibitors. Price 19s.

8651—Hatfield's Patent Roller, for Sliding Door, to Run 8 Ft.; manufactured by the Exhibitors. Price £1 4s.

8652—Hatfield's Patent Roller, for Sliding Door, to Run 10 Ft.; manufactured by the Exhibitors. Price £1 11s.

8653—Hatfield's Patent Roller, for Sliding Door, to Run 12 Ft.; manufactured by the Exhibitors. Price £1 15s.

8654—Model of a Barn-Door, Fitted with Hatfield's Patent Rollers, showing the superiority of the rollers at work.

8655—Samples of Sanitary Ware, Axes, and Pulleys, Nickel-Plated Furniture. Prices as per our printed catalogue.

Stand No. 372.—Barnard and Lake, of Rayne Foundry, Braintree, Essex.

Article 8656—Patent Link-Lever General-Purpose Steerage Horse-Hoe, with Double Bar, 7 Ft. Wide, and 11 Hoes; manufactured by the Exhibitors. Price £13 13s. Each works independently, and thus adapts itself to the unevenness of the ground, the pitch remaining the same. Pitch of hoes altered without stopping machine. Steerage is very simple and easy; its handles can be raised or lowered to suit height of man.

8657—36-In. New Patent Automaton Expanding Horse-Hoe, with 5 Tines; manufactured by the Exhibitors. Price £3 15s. By a simple patented arrangement the tines or stalks of this hoe are self-adjusting; the same motion which expands or contracts the arms also sets the hoe in position for work, and the tines, being square and held securely in their places, cannot turn in the hardest work.

8658—28-In. New Patent Automaton Expanding Horse-Hoe, with 5 Tines; manufactured by the Exhibitors. Price £3 10s. A good 1-horse hoe, or 2-horse light scarifier. The side-arms are wrought-iron, rendering the hoe much stronger, and breakages almost an impossibility.

8659—28-In. New Patent Automaton Expanding Horse-Hoe, with 3 Tines; manufactured by the Exhibitors. Price £2 12s. 6d. A lighter self-adjusting horse-hoe, suitable for market gardeners and small occupiers.

8660—Patent Automaton Expanding Horse-Hoe, with Hind Wheel, Harrow, and Double Front Wheels; manufactured by the Exhibitors. Price £4 13s. 6d.

8661—Patent Automaton Expanding Horse-Hoe, Fitted as a Double-Tour or Ridging Plough; manufactured by the Exhibitors. Price £3 10s.

8662—Potato Raiser, to Fit Patent Automaton Expanding Hoe; manufactured by the Exhibitors. Price £1 7s.

8663—"Eclipse" Root-Grater, No. 1, Fine Cut (Disc); manufactured by the Exhibitors. Price £1 17s. 6d. Brought out to meet the requirements of small occupiers.

8664—"Eclipse" Root-Grater, No. 1, Coarse Cut and Cover (Disc); manufactured by the Exhibitors. Price £2 2s. The fastest cutting machine of its size in the trade. A large number have been sold, and give the greatest satisfaction.

8665—(*New Implement.*)—"Eclipse" Root-Grater, No. 2, Fine Cut and Cover (Disc); manufactured by the Exhibitors. Price £2 10s. With improved large hopper and iron frame. The discs for this machine are interchangeable, so that it can easily be converted into a fine or coarse-cut root-grater, a pulper, a slicer, or finger-piece cutter.

8666—(*New Implement.*)—"Eclipse" Root-Grater, No. 2, Coarse Cut and Cover (Disc); manufactured by the Exhibitors. Price £2 10s.

8667—(*New Implement.*)—"Eclipse" Turnip-Cutter, No. 2 (Disc); manufactured by the Exhibitors. Price £2 10s. Cuts into finger-pieces as a Gardner's turnip-cutter.

8668—(*New Implement.*)—"Eclipse" Slicer, No. 2 (Disc); manufactured by the Exhibitors. Price £2 10s.

8669—(*New Implement.*)—"Eclipse" Pulper, No. 2 (Disc); manufactured by the Exhibitors. Price £2 10s.

8670—New-Pattern Root-Grater, No. 1, and Cover (Disc); manufactured by the Exhibitors. Price £3 3s. With improved hopper and mouthpiece, and iron frame.

8671—New-Pattern Pulper No. 1, and Cover (Disc); manufactured by the Exhibitors. Price £3 3s.

8672—New-Pattern Turnip-Cutter, for Finger-Pieces (Disc); manufactured by the Exhibitors. Price £3 3s.

8673—New-Pattern Root-Grater, No. 3, Fine Cut (Disc); manufactured by the Exhibitors. Price £3 17s. 6d. Will cut the last piece, and not liable to choke.

8674—New-Pattern Root-Grater, No. 5, Coarse Cut (Disc); manufactured by the Exhibitors. Price £5 10s. A capital machine for horse or steam power.

8675—Collection of Hoes, Suitable for Expanding Hoe; manufactured by the Exhibitors. Price from 4d. to 2s. each.

8676—Collection of Hoes, to Fit Link-Lever Horse-Hoe; manufactured by the Exhibitors. Price from 1s. to 2s. each.

Stand No. 373.—*Pick and Baker, of the Well Street Iron Works, Bedford.*

Article 8677—Improved “Regulating Tine” Wrought Lever Drag Harrow, on 3 Wheels, No. 16; manufactured by the Exhibitors. Price £9. 6 ft. wide; weight, 4 cwt.; teeth, 20 in. by 1 in. square.

8678—Pair of “Regulating Tine” Heavy 6-Horse Drag Harrows, No. 14; manufactured by the Exhibitors. Price £6. 8 ft. wide; weight, 3½ cwt.; teeth, 17 in. by 7 in. square.

8679—Pair of “Regulating Tine” 4-Horse Drag Harrows, No. 12; manufactured by the Exhibitors. Price £5. 7 ft. wide; weight, 2½ cwt.; teeth, 15 in. by 3 in. square.

8680—Improved “Regulating Tine” Triangular Drag Harrow, No. 13 A; manufactured by the Exhibitors. Price £3 10s. 4 ft. 6 in. wide; weight, 1 cwt. 3 qrs.; teeth, with loose cast points, 17 in. by 7 in. square.

8681—Improved “Regulating Tine” Triangular Drag Harrow, No. 11; manufactured by the Exhibitors. Price £2 12s. 6d. 4 ft. 3 in. wide; weight, 1 cwt. 1 qr.; teeth, 15 in. by 3 in. square.

8682—Set of 4-Beam “New Pattern” Drag Harrows, with Lock Nuts to Cover, 8 Ft.; manufactured by the Exhibitors. Price £4 15s. The teeth in these harrows graduate from 7 in. in front to 13 in. at back.

8683—Set of “Bedford” Twitch Harrows, with Lock Nuts, No. 8; manufactured by the Exhibitors. Price £4.

8684—Improved 5-Tined 4-Wheel Wrought Leverage Scuffler or Scarifier; manufactured by the Exhibitors. Price £5 5s.

8685—Improved 1-Row Turnip and Mangold Hoe, marked 01; manufactured by the Exhibitors. Price £2 2s.; if with 2 wheels and improved steerage. Price £2 10s.

8686—Improved 1-Row Corn, Turnip, and Mangold Hoe, 2 Wheels and Steerage, marked 002; manufactured by the Exhibitors. Price £2 17s. 6d.

8687—Improved Combined Expanding 1-Row Horse Hoe, 5-Tined Grubber and Moulding Plough; manufactured by the Exhibitors. Price £4 15s.

8688—Set of General Purpose Diagonal Iron Harrows, No. 2; manufactured by the Exhibitors. Price £4.

8689—Set of Medium Diagonal Iron Harrows, No. 1; manufactured by the Exhibitors. Price £3 10s.

8690—Set of Light Diagonal Grass or Seed Harrows, No. 0; manufactured by the Exhibitors. Price £2 7s. 6d.

8691—Improved 7-Tined 4-Wheel Wrought Leverage Scuffler, with Loose Cast Points; manufactured by the Exhibitors. Price £6 6s.

8692—Moulding-up or Ridging Plough, 2-Wheels, and marked R; manufactured by the Exhibitors. Price £4.

8693—2-Wheel General Purpose Plough, with Steel Breast, marked 2½; manufactured by the Exhibitors. Price £4.

8694—2-Wheel General Purpose Plough, with Steel Breast, marked 2 a; manufactured by the Exhibitors. Price £3 12s. 6d.

8695—1-Horse General Purpose Plough, with Steel Breast, marked No. 2; manufactured by the Exhibitors. Price £3 5s.

8696—Turn Wrest Colonial Plough, 1 Handle, Iron Breast, &c.; manufactured by the Exhibitors. Price £1 1s. Exhibitors supply thousands of these ploughs yearly to Spain, Portugal, and other parts of the Continent, for hop, vine, and tobacco culture.

8697—12-In. Light Wrought-Iron 3-Cylinder Field Roller, with Driver's Seat, No. 1; manufactured by the Exhibitors. Price £7 15s.

8698—Improved Oat and Maize Grinding Mill, on Wood Frame; No. 2; manufactured by the Exhibitors. Price £3 5s.

8699—Improved Bean-Splitting Mill, on Wood Frame, No. 1; manufactured by the Exhibitors. Price £3.

8700—Small and Efficient Mill for Oats, Maize, Beans, Peas, &c., &c., for a Boy, No. 0; manufactured by the Exhibitors. Price £2.

8701—Adjustable 4-Knife Disc Root Pulper, fitted with Cover, No. 1; manufactured by the Exhibitors. Price £3.

8702—Adjustable 6-Knife Disc Root Pulper, fitted with Cover, No. 2; manufactured by the Exhibitors. Price £4.

8703—Improved Linseed Cake Breaker, with Falling Lids to Hopper; manufactured by the Exhibitors. Price £3 10s. Breaks 7 sizes of cake very proportionate.

8704—Indian Corn or Maize Sheller (Improved Pattern), all Iron; manufactured by the Exhibitors. Price £2 2s.

8705—1-Row Brush Drill, for Small Seeds, with Sliding Wheels; manufactured by the Exhibitors. Price £1 1s.

8706—3-Row Brush Drill, for Small Seeds, with Throw-out Lever, &c.; manufactured by the Exhibitors. Price £5.

Stand No. 374.—*William Smith and Son, of Royal Iron Works, Kettering, Northamptonshire.*

Article 8707—The Kettering Horse Hoe; manufactured by the Exhibitors. Price £5 10s. With new invented steel hoes to take on and off.

8708—The Paris Prize Horse Hoe, 1878; manufactured by the Exhibitors. Price £6 10s. With great improvements for 1879.

8709—The Exhibition Prize Horse Hoe, 1872; manufactured by the Exhibitors. Price £7 10s. With new lifting handles.

8710—The Plymouth Prize Horse Hoe; manufactured by the Exhibitors. Price £8 10s. For general purposes.

8711—The Northamptonshire Prize Horse Hoe; manufactured by the Exhibitors. Price £8 10s. For hoeing 4 rows of roots at once.

8712—New Lever Horse Hoe; manufactured by the Exhibitors. Price £8 10s. For hoeing wheat.

8713—Newly Constructed Horse Hoe; manufactured by the Exhibitors. Price £9 10s. For hoeing 9 rows of wheat and 3 rows of turnips.

8714—Horse Hoe of New Design; manufactured by the Exhibitors. Price £11 10s. 6 ft. wide; mounted on high wheels, and with new hoe for hoeing wheat.

8715—The Bedford First Prize Turnip Thinner; manufactured by the Exhibitors. Price £8 10s. For thinning 2 rows at once.

8716—The Bedford Second Prize Turnip Thinner; manufactured by the Exhibitors. Price £6 10s. For thinning 1 row at once.

8717—New Patent Grindstone; manufactured by the Exhibitors. Price £5 10s. 3 ft. diameter, 5 in. thick, and mounted on iron frame.

8718—New Grindstone; manufactured by the Exhibitors. Price £4 10s. 3 ft. diameter, 5 in. thick, and mounted on wood frame.

8719—Newly Constructed Grindstone; manufactured by the Exhibitors. Price £4 10s. Mounted on anti-friction rollers.

8720—The Leicester Prize Grindstone; manufactured by the Exhibitors. Price £3 3s. With A-edge for grinding reaper and mower knives.

8721—Improved Grindstone; manufactured by the Exhibitors. Price £3 3s. For general purposes.

8722—Improved Grindstone; manufactured by the Exhibitors. Price £3 3s. Mounted on anti-friction rollers.

8723—Improved Grindstone; manufactured by the Exhibitors. Price £3 3s. To work by handle and treadle.

8724—Improved Grindstone; manufactured by the Exhibitors. Price £3 3s. With flat edge and loose and fast pulleys.

8725—The Farmer's Grindstone; manufactured by the Exhibitors. Price £3 3s. For grinding reaper knives; with fast pulley.

8726—The Leicester Prize Grindstone; manufactured by the Exhibitors. Price £1 15s. Mounted on wood frame with flat edge.

8727—The Leicester Prize Grindstone; manufactured by the Exhibitors. Price £1 10s. Mounted on wood frame with A-edge.

8728—General Purpose Grindstone; manufactured by the Exhibitors. Price £1 10s. Mounted on wood frame with flat edge.

8729—18 General Purpose Sack Trucks. Price from 8s. to £1 10s.

8730—General Purpose Currant Cleaner; manufactured by the Exhibitors. Price £4 10s. William Smith & Son's currant cleaner will dress 4 cwt. of currants in an hour.

8731—Currant Cleaner, No. 2; manufactured by the Exhibitors. Price £5 10s. With extra cylinder for raisins.

8732—Currant Cleaner, No. 3; manufactured by the Exhibitors. Price £7. With loose and fast pulleys to go by steam power.

8733—Sugar Chopper, No. 0; manufactured by the Exhibitors. Price £4 10s. To work by foot.

8734—Sugar Chopper, No. 1; manufactured by the Exhibitors. Price £6 10s. To work by foot.

8735—New Patent Sugar Chopper; manufactured by the Exhibitors. Price £7. Made with brass bearings, loose and fast pulleys, to work by steam power.

Stand No. 375.—*Smith and Grace, of Thrapston, Northamptonshire.*

Article 8736—General Purpose Steerage Horse Hoe, No. 1; manufactured by the Exhibitors. Price £8 10s. 5 ft. 3 in. wide, and fitted with 7 hoes of any kind.

8737—General Purpose Steerage Horse Hoe, No. 2; manufactured by the Exhibitors. Price £7 10s. 6 ft. wide, and fitted with 9 hoes of any kind.

8738—General Purpose Steerage Horse Hoe, No. 3; manufactured by the Exhibitors. Price £8 10s. 6 ft. wide and fitted with 9 hoes of any kind. Smith and Grace were awarded the First Prize of £10 by the R. A. S. E., Bedford Meeting, 1874, for the best general purpose steerage horse hoe.

8739—General Purpose Steerage Horse Hoe, No. 4; manufactured by the Exhibitors. Price £12. 7 ft. wide and fitted with 11 hoes of any kind. Smith and Grace were awarded the First Prize of £10 by the R. A. S. E., Bedford Meeting, 1874, for the best general purpose steerage horse hoe.

8740—Royal First Prize Grist Mill, No. 1, for Hand Power; manufactured by the Exhibitors. Price £6. The only First Prize ever given by the R. A. S. E. for a grinding mill, hand-power, was awarded to this implement at their Bury Meeting, 1867.

8741—Grist Mill, No. 3, for Hand Power; manufactured by the Exhibitors. Price £4. For grinding barley, wheat, or small grain.

8742—Grist Mill, No. 8, Specially Adapted for Horse Power; manufactured by the Exhibitors. Price £7 15s. This is the best farmer's mill in the world: it can be driven by one- or two-horse gear; it will grind barley or wheat, and kibble beans, peas, Indian corn, and bruise oats. Thousands are in use giving universal satisfaction.

8743—Combined Oat and Bean Kibbler, No. 5, Hand or Power; manufactured by the Exhibitors. Price £5 5s. Will kibble beans, peas, or Indian corn, and bruise oats. Specially adapted for gentlemen's stables.

8744—Oat Kibbler, No. 6, for Hand Power; manufactured by the Exhibitors. Price £3 17s. 6d. Upon the same principle as our celebrated grist mills, and it will be found to do its work in a most effectual manner.

8745—Bean or Maize Kibbler, No. 7, for Hand Power; manufactured by the Exhibitors. Price £3 3s. A single mill for kibbling beans, peas, or Indian corn; can be easily worked by a boy; no stable should be without one of these very useful implements.

8746—Oilcake Breaker, No. 2; manufactured by the Exhibitors. Price £2 10s. Will be found to answer every purpose for small consumers; is strong enough to break the hardest cake; the gearing is completely covered, rendering an accident next to impossible.

8747—Oilcake Breaker, marked N C M; manufactured by the Exhibitors. Price £3 5s. A first-class implement; is strong enough for the hardest cake; will break six different sizes, and all the gearing is covered.

8748—(*New Implement.*)—Oilcake Breaker, marked W C M; manufactured by the Exhibitors. Price £3 12s. 6d. Similar to the preceding, but made specially to take in wide cakes; width of mill 15½ in.

8749—Chaff Cutter, "Nonpareil"; manufactured by the Exhibitors. Price £2 2s.

8750—(*New Implement.*)—Chaff Cutter, marked C B C; manufactured by the Exhibitors. Price £3 15s.

8751—(*New Implement.*)—Chaff Cutter, marked C B C, with Large Fly Wheel; manufactured by the Exhibitors. Price £4.

8752—(*New Implement.*)—Chaff Cutter, marked C B D; manufactured by the Exhibitors. Price £4.

8753—(*New Implement.*)—Chaff Cutter, marked C B D with Large Fly Wheel; manufactured by the Exhibitors. Price £4 5s.

8754—(*New Implement.*)—Chaff Cutter, marked C B E, with Large Fly Wheel; manufactured by the Exhibitors. Price £4 15s.

8755—(*New Implement.*)—Chaff Cutter, marked C B F; manufactured by the Exhibitors. Price £4 10s.

8756—(*New Implement.*)—Chaff Cutter, marked C B G; manufactured by the Exhibitors. Price £5 17s. 6d.

8757—(*New Implement.*)—Chaff Cutter, marked C B H; manufactured by the Exhibitors. Price £6 15s.

8758—Grindstone with A Edge, for Grinding Mower and Reaper Knives; manufactured by Henry Smith, of Basingstoke. Price £2 2s.

8759—Grindstone with A Edge, Mounted on Travelling Wheels; manufactured by Henry Smith. Price £2 12s. 6d.

8760—Grindstone with Flat Edge, for General Purposes; manufactured by Henry Smith. Price £2 2s.

8761—Grindstone with Flat Edge, Mounted on Travelling Wheels; manufactured by Henry Smith. Price £2 12s. 6d.

Stand No. 376.—*J. L. Larkworthy and Co., of the Lowesmoor Iron Works, Worcester.*

Article **8762**—Iron Plough, with 1 Wheel, marked A 2; manufactured by the Exhibitors. Price £2 15s.

8763—Iron Plough, with 2 Wheels, marked A 1; manufactured by the Exhibitors. Price £3 15s.

8764—Patent "Excelsior" Iron Plough, with 2 Wheels, marked N x 7; manufactured by the Exhibitors. Price £4 7s. 6d.; skim coulter, 5s.; steel breast, 7s. 6d. extra.

8765—Patent "Excelsior" Iron Plough, with 2 Wheels, marked N x 2; manufactured by the Exhibitors. Price £4 15s.; skim coulter, 5s.; steel breast, 7s. 6d. extra.

8766—Patent "Excelsior" Iron Ridging or Moulding Plough, with 2 Wheels, marked A 1; manufactured by the Exhibitors. Price £3 15s.

8767—(*New Implement.*)—"Excelsior" Self-Lifting Leverage Duckfooted Drag on Wheels, to Cover 5 Ft.; manufactured by the Exhibitors. Price £9 10s.

8768—"Excelsior" Lever Duckfooted Drag, No. 1, to Cover 4 Ft., on Wheels; manufactured by the Exhibitors. Price £8.

8769—"Excelsior" Lever Chisel Point Drag, on Wheels, No. 2, to Cover 5 Ft.; manufactured by the Exhibitors. Price £9.

8770—"Excelsior" Lever Duckfooted Drag on Wheels, No. 3, to Cover 6 Ft.; manufactured by the Exhibitors. Price £10.

8771—Pair of Patent "Excelsior" Iron Duckfooted Scuffle, Drags, marked x 7; manufactured by the Exhibitors. Price £3 10s.

8772—Pair of Patent "Excelsior" Iron Duckfooted Scuffle Drags, marked x 6; manufactured by the Exhibitors. Price £4 5s.

8773—Pair of Patent "Excelsior" Iron Duckfooted Scuffle Drags, marked x 5; manufactured by the Exhibitors. Price £5 5s.

8774—Set of Patent "Excelsior" Iron Harrows, marked x 15; manufactured by the Exhibitors. Price £2 15s.

8775—Set of Three 4-Beam Patent "Excelsior" Iron Harrows, marked x 14; manufactured by the Exhibitors. Price £3.

8776—Set of Three 4-Beam Patent "Excelsior" Iron Harrows, marked x 13; manufactured by the Exhibitors. Price £3 5s.

8777—Set of Three 4-Beam Patent "Excelsior" Iron Harrows, marked x 12; manufactured by the Exhibitors. Price £3 10s.

8778—Set of Three 4-Beam Patent "Excelsior" Iron Harrows, marked x 11; manufactured by the Exhibitors. Price £3 15s.

8779—Set of Three 4-Beam Patent "Excelsior" Iron Harrows, marked x 10; manufactured by the Exhibitors. Price £4 7s. 6d.

8780—Set of Three 4-Beam Patent "Excelsior" Iron Harrows, marked x 8; manufactured by the Exhibitors. Price £4 15s.

8781—Set of Three 3-Beam Patent "Excelsior" Iron Harrows, marked x 12; manufactured by the Exhibitors. Price £3 5s.

8782—Set of Three 3-Beam Patent "Excelsior" Iron Harrows, marked x 10; manufactured by the Exhibitors. Price £3 12s. 6d.

8783—Set of Three 3-Beam Patent "Excelsior" Iron Harrows, marked x 8; manufactured by the Exhibitors. Price £3 17s. 6d.

8784—Set of Three 3-Beam Patent "Excelsior" Iron Harrows, marked x 7; manufactured by the Exhibitors. Price £4 10s.

8785—Pair of 4-Beam Patent "Excelsior" Iron Harrows, marked x 10; manufactured by the Exhibitors. Price £2 18s. 6d.

8786—Pair of 4-Beam Patent "Excelsior" Iron Harrows, marked x 8; manufactured by the Exhibitors. Price £3 3s. 6d.

8787—Pair of 4-Beam Patent "Excelsior" Iron Harrows, marked x 7; manufactured by the Exhibitors. Price £3 18s. 6d.

8788—Wrought-Iron 7-Tine Scuffle; manufactured by the Exhibitors. Price £5 5s. For hop cultivation and general purposes.

8789—Wrought-Iron 9-Tine Scuffle; manufactured by the Exhibitors. Price £6 10s.

8790—Wrought-Iron Stubble Paring Skim; manufactured by the Exhibitors. Price £4 10s.

8791—Wrought-Iron Combined Skim and Scuffle; manufactured by the Exhibitors. Price £6 10s.

8792—Cambridge Pattern Land Roller, 6½ Ft. Long by 20 In. Diameter; manufactured by the Exhibitors. Price £11.

8793—Cambridge Pattern Roll, made Specially for Hop Lands; manufactured by the Exhibitors. Price £7 10s.

8794—Improved 1-Row Horse Hoe; manufactured by the Exhibitors. Price £2 10s.

8795—Improved Steeple Horse Hoe, Fitted with 5 Wheat and 3 Bean Hoes; manufactured by the Exhibitors. Price £4 15s.

8796—2-Horse Gear, with Motion, Complete; manufactured by the Exhibitors. Price £13 13s.

8797—Galvanized Iron Calf Trough, 9 Ft. Long; manufactured by the Exhibitors. Price £1 10s.

8798—Galvanized Iron Sheep Troughs on Wheels; manufactured by the Exhibitors. Prices: 8 ft. long, £1 6s.; 9 ft., £1 8s.; 10 ft., £1 12s.; 12 ft., £2.

8799—Improved Wrought-Iron Cattle Cribs, with Open Corners; manufactured by the Exhibitors. Prices: 4 ft. square, £2 10s.; 4 ft. 6 in. £2 15s.; galvanized iron, 10s. each extra.

8800—Improved Wrought-Iron Cattle Cribs, with Closed Corners; manufactured by the Exhibitors. Prices: 4 ft. 6 in. square, £3; 5 ft., £3 15s.; 6 ft., £4 5s.; galvanized iron, 10s. each extra.

8801—Set of Steel Plough Whippletrees; manufactured by the Exhibitors. Price 17s. 6d.; if fitted with hake to equalize draught, 5s. extra.

Stand No. 377.—*George Campion, of Ramsey, Huntingdonshire.*

Article 8802—Pair of "Campion's Patent" Handled Drag Harrows, No. 1; manufactured by the Exhibitor. Price £6 5s. With tines formed for very hard soil.

8803—Pair of "Campion's Patent" Handled Drag Harrows, No. 0, with like tines; manufactured by the Exhibitor. Price £5 10s.

8804—Single "Campion's Patent" Double Handled Drag Harrows, No. 0½; manufactured by the Exhibitor. Price £3.

8805—Pair of "Campion's Patent" Handled Drag Harrows, No. 0; manufactured the by Exhibitor. Price £5 10s.

8806—Single "Campion's Patent" Handled Drag Harrow, No. 1½; manufactured by the Exhibitor. Price £3 7s. 6d.

8807—Pair of "Campion's Patent" Handled Drag Harrows, No. 1; manufactured by the Exhibitor. Price £6 5s.

8808—Pair of "Campion's Patent" Handled Drag Harrows, No. 4; manufactured by the Exhibitor. Price £5 10s.

8809—Set of "Campion's Patent" Harrows, No. 00; manufactured by the Exhibitor. Price £2 17s. 6d.

8810—Set of "Campion's Patent" Harrows, No. 0; manufactured by the Exhibitor. Price £3 7s. 6d.

8811—Set of "Campion's Patent" Harrows, No. 1; manufactured by the Exhibitor. Price £3 17s. 6d.

8812—Set of "Campion's Patent" Harrows, No. 2; manufactured by the Exhibitor. Price £4 7s. 6d.

8813—Set of "Campion's Patent" Harrows, No. 3; manufactured by the Exhibitor. Price £5 2s. 6d.

8814—Pair of "Campion's Patent" Handled Harrows, No. 3½; manufactured by the Exhibitor. Price £4 2s. 6d.

8815—"Campion's Patent" Detached Shaft for Reaping Machine, &c.; manufactured by the Exhibitor. Price £1 12s. 6d.

8816—Stationary Shaft for Reaping Machine, &c.; manufactured by the Exhibitor. Price £1 7s. 6d.

8817—(*New Implement.*)—"Campion's Multiplex," combining 24 Purposes in one; also Sold Separate for the Farm, &c.; manufactured for the Exhibitor. Price £130 12s. 6d. Consisting of iron and wooden barrows for drinking-water, milk, and liquid manure; barrows with iron and rubber suction pipes, pumps, water-spreaders, and fire-engine combined, and other advantages too numerous to mention.

8818—(*New Implement.*)—"Campion's Trolley," for Plough and Harrows; manufactured by the Exhibitor. Price £3.

8819—(*New Implement.*)—"Campion's Expanding Root and Corn Harrow or Hoe;" manufactured by the Exhibitor. Price £6.

8820—(*New Implement.*)—Set of Jointed Iron Whippetrees; manufactured only for the Exhibitor. Price £1.

8821—(*New Implement.*)—"Drakard" J D Convertible Single and Double Furrow Plough; manufactured for the Exhibitor. Price £9 10s.

8822—(*New Implement.*)—"Drakard" J D Convertible Single and Double Furrow Plough, with Skeiths; manufactured for the Exhibitor. Price £11.

8823—(*New Implement.*)—"Drakard" s Single Plough; manufactured for the Exhibitor. Price £5 10s.

8824—(*New Implement.*)—"Drakard" s Single Plough, with Skeith; manufactured for the Exhibitor. Price £6 5s.

8825—Bundle Assorted Plough Shares; manufactured for the Exhibitor. Price 11s. per doz.

8826—Galvanized-Iron Water Barrow; manufactured by the Exhibitor. Price £2 15s.

8827—Tinned-Iron Milk Barrow; manufactured by the Exhibitor. Price £3.

8828—Tin Milk Barrow, with Tap and Cover; manufactured by the Exhibitor. Price £4.

Stand No. 378.—*Barford and Perkins, of Queen Street Iron Works, Peterborough, Northamptonshire.*

Article 8829—Set of Steam Cultivating Tackle, No. 1; manufactured by the Exhibitors. Price £350. Consisting of windlass, 1600 yards steel rope, 5-tined cultivator, 2 patent anchors, and ordinary claw anchors and snatch blocks. Adapted for any portable steam engine.

8830—Set of Steam Cultivating Tackle, No. 2; manufactured by the Exhibitors. Price £791 10s. Similar to No. 1 set, but with reversed windlass and 8-horse power traction engine. Two men and one boy only required to work same.

8831—Improved 3-Furrow Steam Plough and Digger; manufactured by the Exhibitors. Price £60. The beams being perfectly parallel to each other and adjustable, any width of furrow can be ploughed from 9 in. to 12 in., and from 3 in. to 12 in. deep.

8832—Improved 4-Furrow Plough and Digger. Price £80. Similar to preceding. These ploughs are lighter in draught and more easily managed than any other kind.

8833—5-Tine Patent Self-Lifting Cultivator; manufactured by the Exhibitors. Price £40. Can be lifted entirely out of the soil by self-acting arrangement, both at the ends of the field and while in progress, without stopping the engine.

8834—7-Tine Patent Self-Lifting Cultivator; manufactured by the Exhibitors. Price £50. Similar to preceding, but larger. Can be instantly regulated to any required depth without stopping the engine.

8835—(*New Implement.*)—9-Ft. Patent Self-Lifting Drag Harrow; manufactured by the Exhibitors. Price £45. Is lifted out of the ground and regulated by same means as the cultivators previously described. Will be found an invaluable implement by all users of steam tackle.

8836—Patent Self-Moving Anchor for Steam Cultivation; manufactured by the Exhibitors. Price £50. Right-hand. Fitted with all the most recent patented improvements. The only anchor that is perfectly automatic in its action.

8837—Left-Hand Patent Self-Moving Anchor; manufactured by the Exhibitors. Price £50. Similar to preceding article, but intended to work at opposite ends of the field; recently improved by a new steerage arrangement.

8838—Improved 4-Wheel Windlass for Steam Cultivation; manufactured by the Exhibitors. Price £85. Adapted for working on the stationary system of steam cultivation, and with portable or traction engines of any maker.

8839—Set of Steel Driving Chains and Pulleys; manufactured by the Exhibitors. Price £21 10s. Suitable for connecting windlass with engine in steam cultivation, and for driving heavy machinery.

8840—Set of Patent Cord Arrangements. Price £5. Intended for driving windlass and engine together, thus dispensing with one man. Is simple and thoroughly efficient.

8841—3-Furrow Land Press for Steam Cultivation; manufactured by the Exhibitors. Price £10 10s. Is a companion to the steam plough, and much used in the south and west of England, and in other light land districts.

8842—Patent Hay, Corn, and Straw Elevator and Stacking Machine; manufactured by the Exhibitors. Price £60. Will deliver to a height of 30 ft. and upwards, and is self-contained, the horse-works being placed beneath the frame and within the travelling wheels; can be worked by a mule or small pony.

8843—Improved Hay, Corn, and Straw Elevator and Stacking Machine; manufactured by the Exhibitors. Price £50. This machine was first introduced at the Bedford Show, 1874, and has since been much improved; will deliver to a height of 27 ft., and at any angle.

8844—Improved Horse Gear Works; manufactured by the Exhibitors. Price £10. Suitable for driving any stacking machine where separate horse-works are required, and for any other machinery.

8845—Set of Steam Cooking Apparatus for Kennels, Unions, &c.; manufactured by the Exhibitors. Price £120. Comprises a 3-horse power steam generator and two large double jacketed cooking pans; all enclosed in strong cast-iron panelling. Made in sizes, to suit large or small establishments.

8846—Set of Portable Steam Cooking Apparatus and Steam Engine Combined; manufactured by the Exhibitors. Price £95. Comprising a 2½-horse power vertical steam engine, with 60-gallon galvanized iron, double-cased boiling pan, and a 9-bushel revolving root or chaff pan, by which steaming and grinding, or chaff-cutting, can be done simultaneously.

8847—Set of Portable Steam Cooking Apparatus, No. 4; manufactured by the Exhibitors. Price £30. Comprising steam generator and one each 60-gallon and 9-bushel pans for roots and compounds.

8848—Set of Portable Steam Cooking Apparatus, No. 5; manufactured by the Exhibitors. Price £23 10s. Similar to preceding article, but smaller.

8849—Set of Portable Steam Cooking Apparatus, No. 9; manufactured by the Exhibitors. Price £17 10s. Similar to preceding article, but fitted with one 6-bushel root pan only.

8850—Portable Annular Boiler; manufactured by V. Barford, of Northampton. Price £7 10s. Holds 35 gallons, and is fitted with steamer for roots.

8851—R. A. S. E. First Prize Corn-Grinding Mill (No. 8); manufactured by the Exhibitors. Price £25. Will grind upwards of 25 bushels of fine wheat-meal per hour, and crush or kibble maize, beans, &c., at an enormous speed.

8852—R. A. S. E. First Prize Corn-Grinding Mill (No. 8); manufactured by the Exhibitors. Price £27 10s. Similar to preceding, but fitted with fast and loose pulleys and striking gear.

8853—R. A. S. E. First Prize Corn-Grinding Mill (No. 3); manufactured by the Exhibitors. Price £22. Obtained the Royal Society's First Prize both at Bury and Oxford trials.

8854—R. A. S. E. First Prize Corn-Grinding Mill (No. 8); manufactured by the Exhibitors. Price £24 10s. Similar to preceding, but fitted with fast and loose pulleys and striking gear.

8855—R. A. S. E. First Prize Corn-Grinding Mill (No. 4); manufactured by the Exhibitors. Price £18. Will grind upwards of 30 bushels of fine meal per hour, and kibble and crush every description of corn proportionately fast.

8856—R. A. S. E. First Prize Corn-Grinding Mill (No. 4); manufactured by the Exhibitors. Price £20. Similar to preceding, but fitted with fast and loose pulleys and striking gear.

8857—R. A. S. E. First Prize Corn-Grinding Mill (No. 5); manufactured by the Exhibitors. Price £16. Adapted for horse gears or engines of 3- or 4-horse power.

8858—R. A. S. E. First Prize Corn-Grinding Mill (No. 5); manufactured by the Exhibitors. Price £18. Similar to preceding, but fitted with fast and loose pulleys and striking gear.

8859—Patent Corn-Grinding and Kibbling Mill (No. c); manufactured by the Exhibitors. Price £14. Adapted for small engines or horse gears of about 2-horse power.

8860—Patent Corn-Grinding and Kibbling Mill (No. b); manufactured by the Exhibitors. Price £12. Adapted for small engines of from 1- to 2-horse power, or for horse gears.

8861—Patent Corn-Grinding Mill (No. 1); manufactured by the Exhibitors. Price £20. Similar to preceding articles, but mounted on a wood instead of iron frame. In size equal to (No. 3).

8862—Patent Corn-Grinding Mill (No. 2); manufactured by the Exhibitors. Price £22. Similar to preceding article, but mounted on a high wood stand to grind into a sack.

8863—Patent Corn-Grinding Mill (No. 7); manufactured by the Exhibitors. Price £30. In size identical with (No. 3), but mounted on a 4-wheel travelling carriage for removal from farm to farm. Much used by owners of threshing machinery.

8864—Improved Flour-Dressing Machine; manufactured by the Exhibitors. Price £10. For attaching to Exhibitors' (No. 7) mill; for dressing flour for domestic use.

8865—R. A. S. E. First Prize Oilcake Mill (No. 0); manufactured by the Exhibitors. Price £27 10s. Will crush cakes lengthways at the rate of five tons per hour; adapted for merchants and very large consumers of cake; mouthpiece 26 in. wide.

8866—Disqualified—Informal entry.

8867—R. A. S. E. First Prize Oilcake Mill (No. 1); manufactured by the Exhibitors. Price £9. A very strong double roller mill for steam or horse power; mouthpiece 12 in. wide.

8868—R. A. S. E. First Prize Oilcake Mill (No. 2); manufactured by the Exhibitors. Price £6. Obtained the First Prize at the Royal Trials at Bury, and again at Oxford. Is fitted with two pairs adjustable rollers, and adapted for hand or horse power.

8869—R. A. S. E. First Prize Oilcake Mill (No. 4 ×); manufactured by the Exhibitors. Price £4 10s. Adapted for hand or horse power. It is made with mouthpiece 16 in. wide to take the largest cakes. Has one pair rollers, and will break six different sizes.

8870—R. A. S. E. First Prize Oilcake Mill (No. 4); manufactured by the Exhibitors. Price £4. Similar to preceding article, but with mouthpiece 12 in. wide.

8871—R. A. S. E. First Prize Oilcake Mill (No. 3 ×); manufactured by the Exhibitors. Price £3 10s. Similar to above, but for hand power only, and with mouthpiece 16 in. wide for large cakes.

8872—R. A. S. E. First Prize Oilcake Mill (No. 3); manufactured by the Exhibitors. Price £3 3s. This mill took the First Prize at the Royal Trials at Oxford. Will break cake six different sizes; mouthpiece 12 in. wide.

8873—R. A. S. E. First Prize Patent Water-Ballast Field Roller; manufactured by the Exhibitors. Price £21. Size, 27 in. diam. by 6½ ft. wide; weight, empty, 12 cwt.; do. full, 26 cwt. Made wholly of wrought-iron cylinders, and unbreakable. Water is added to get increased weight, and drawn off again at pleasure.

8874—R. A. S. E. First Prize Patent Water Ballast Field Roller; manufactured by the Exhibitors. Price £17 10s. Size 24 in. by 6½ ft. wide; weight, empty, 11 cwt.; full, 22 cwt. Similar to preceding articles, but lighter.

8875—R. A. S. E. First Prize Patent Water Ballast Field Roller; manufactured by the Exhibitors. Price £14 10s. These rollers won both the latest Prizes awarded by the Royal Society at Hull and Leicester. Size, 18 in. by 6½ ft.; weight, empty, 8 cwt.; full, 14 cwt.

8876—Improved Wrought-Iron Cylinder Field Roller; manufactured by the Exhibitors. Price £8. Size, 15 in. by 6½ ft.; light and strong. Adapted for barley rolling and other light work.

8877—Improved Wrought-Iron Cylinder Field Roller; manufactured by the Exhibitors. Price £10. Size, 24 in. by 6½ ft. Within the power of one horse; very light in draught and very strong.

8878—Cast Cylinder Land Roller; manufactured by the Exhibitors. Price £7 10s. Size 14 in. by 6½ ft.

8879—Cast Cylinder Land Roller; manufactured by the Exhibitors. Price £10. Size 6½ ft. by 20 in. diameter.

8880—Improved Pattern Cambridge Roller; manufactured by the Exhibitors. Price £10 10s. Size, 20 in. by 6½ ft.

8881—Improved Pattern Cambridge Roller; manufactured by the Exhibitors. Price £13. Similar to above, but larger. Size, 26 in. by 6½ ft., and fitted with driver's seat.

8882—Improved Pattern Cambridge Roller; manufactured by the Exhibitors. Price £18 15s. Size, 30 in. by 6½ ft., and fitted with self-cleaning scrapers and driver's seat.

8883—Patent Water-Ballast Lawn or Cricket Roller; manufactured by the Exhibitors. Price £13 10s. Size, 30 in. by 30 in.; weight, empty, 6 cwt.; full, 13 cwt. Adapted for grass land, lawns, walks, &c.

8884—Patent Water-Ballast Cricket Ground Roller; manufactured by the Exhibitors. Price £18 10s. Size, 36 in. by 36 in.; weight, 7 cwt. empty; 17 cwt. full. Similar to preceding, but larger.

8885—Patent Water-Ballast Park or Cricket Ground Roller; manufactured by the Exhibitors. Price £35. Size, 42 in. by 42 in.; weight, empty, 16 cwt.; full, 30 cwt. This roller is fitted with our patent turn-table frame, which allows the horse to turn without turning the implement.

8886—Patent Cast-Metal Lawn Roller; manufactured by the Exhibitors. Price £10 10s. Is made with two cylinders, 36 in. wide by 30 in. diameter; within the power of a pony or light horse.

8887—Patent Water-Ballast Road Roller; manufactured by the Exhibitors. Price £85. Size 4½ ft. by 4½ ft.; weight, empty, 65 cwt.; full, 5 tons. These rollers have been supplied to most of the principal towns in the United Kingdom. Turn-table frame £10 extra.

8888—Patent Cast-Metal Road Roller; manufactured by the Exhibitors. Price £60. Size, 4½ ft. diameter by 3 ft. wide; weight 3 tons. Made with 3 cylinders of cast metal to facilitate turning.

8889—Bailey Denton's Pig Trough; manufactured by the Exhibitors. Price £3. Size, 4 ft. long. For fixing in a division wall to serve two sties.

8890—Set of Bailey Denton's Drainage Fittings; manufactured by the Exhibitors. Price £3 10s. Comprising outlet pipes, well covers, and tidal valves.

8891—Patent Field Stile in Oak; manufactured by the Exhibitors. Price £3 5s. Is self-closing, and takes the place of the ordinary field stile.

8892—Patent Field Stile in Deal; manufactured by the Exhibitors. Price £3. Similar to preceding article, but in deal; is self-acting and self-closing.

8893—8-Horse Power Portable Steam Engine; manufactured by Clayton and Shuttleworth, of Lincoln. Price £210. Fitted with all the most recent improvements; suitable for driving Exhibitors' steam cultivating tackle, No. 1.

8894—2½-Horse Power Portable Steam Engine; manufactured by Tuxford and Sons, of Boston. Price £105. Adapted for driving Exhibitors' grinding mills, chaff cutters, &c.

8895—3-Horse Power Portable Steam Engine; manufactured by Tuxford and Sons. Price £125. Adapted for grinding, kibbling, chaff-cutting, &c.

8896—Line of Shafting and Pulleys; manufactured by the Exhibitors. Price £25. As used for driving Exhibitors' machinery in motion.

8897—Patent Water-Ballast Garden Roller; manufactured by the Exhibitors. Price £4 10s. Size, 20 in. by 20 in.; weight, empty, 2½ cwt.; weight, full, 4½ cwt.

8898—Patent Water-Ballast Garden Roller; manufactured by the Exhibitors. Price £5 5s. Size, 22 in. by 22 in.; weight, empty, 2½ cwt.; full, 5½ cwt.

8899—Patent Water-Ballast Garden Roller; manufactured by the Exhibitors. Price £6 5s. Size, 24 in. by 24 in.; weight, empty, 3½ cwt.; full, 7 cwt.

8900—Patent Water-Ballast Garden Roller; manufactured by the Exhibitors. Price £9 10s. Size, 27 in. by 27 in.; weight, empty, 4½ cwt.; full, 9 cwt.

8901—Patent Water-Ballast Garden Roller; manufactured by the Exhibitors. Price £15. Size, 30 in. by 30 in.; weight, empty, 6 cwt.; full, 13 cwt. Is fitted both with shafts for pony and handle for manual power, and can be used in either way.

8902—Patent Water-Ballast Asphalte Roller; manufactured by the Exhibitors. Price £8 10s. Size, 22 in. by 22 in.; weight, empty, 8 cwt.; full, 11 cwt. The surface of the cylinder is turned perfectly true in the lathe.

8903—Patent Water-Ballast Asphalte Roller; manufactured by the Exhibitors. Price £10 10s. Size, 24 in. by 24 in.; weight, empty, 10 cwt.; full, 14 cwt.

8904—Patent Water-Ballast Asphalte Roller; manufactured by the Exhibitors. Price £14. Size, 27 in. by 27 in.; weight, empty, 13 cwt.; full, 18 cwt.

Stand No. 379.—*Robey and Co., Engineers, of Lincoln.*

Article 8905—6-Horse Patent Robey Fixed Engine and Locomotive Boiler Combined; manufactured by the Exhibitors. Price £170. The whole mounted upon a massive cast-iron foundation plate, fitted with patent high speed governors, variable expansion gear, improved feed water heater, &c. Crankshaft of best hammered scrap iron; fire-box of Bowling iron; boiler shell plates of best Staffordshire iron; working pressure 80 lbs.

8906—Double Corn-Grinding Mill; manufactured by the Exhibitors. Price £179 15s. Fitted with 2 pairs of 4-ft. best French stones. The whole of the machinery is contained within a strong cast-iron frame; mill spindles and shafts of polished wrought-iron. The feed and stones are provided with apparatus for adjusting them to great nicety.

8907—Self-Acting Circular Saw Bench, No. 1; manufactured by the Exhibitors. Price £60. Consisting of a strong cast-metal frame, with planed iron top, and supplied with a 42-in. saw, but capable of taking a 48-in. Fitted with adjustable fence and boring apparatus, supplied with lever, roller, quadrant, and weight for pressing the timber to the fence.

8908—12-Horse Power Patent Robey Fixed Engine and Locomotive Boiler Combined; manufactured by the Exhibitors. Price £297. Supplied with a pair of steam-jacketed cylinders, and enlarged fire-box for burning wood and other inferior fuel. In other respects same description as No. 1. Working pressure 80 lbs.

8909—Large Screw Jack; manufactured by the Exhibitors. Price £2 5s.

8910—4-Ft. Thrashing and Finishing Machine; manufactured by the Exhibitors. Price £140. Fitted with patent wrought angle-iron frame, adjustable corn screen, barley awner, self-adjuster, and complete in all respects for finishing the corn for market.

8911—4-Ft. 6-In. Thrashing and Finishing Machine; manufactured by the Exhibitors. Price £150. Mounted on patent wrought angle-iron frame, with adjustable corn screen, barley awner, patent drum guard for prevention of accidents, self-adjuster, and complete in all respects for finishing the corn for market.

8912—Improved Sack Barrow; manufactured by the Exhibitors. Price £2 10s.

8913—3-Horse Power Vertical Engine and Cross Tubular Boiler Combined; manufactured by the Exhibitors. Price £78. Engine is erected upon a massive cast-iron standard, independent of the boiler. The base plate serves as a tank and efficient water heater. Fitted with feed pump, governor, and equilibrium valve. Working pressure 60 lbs.

8914—6-Horse Power Vertical Engine and Boiler Combined; manufactured by the Exhibitors. Price £147. Similar to Article No. 8913, but supplied with Robey & Co.'s patent tubulous vertical boiler, which is the most economical boiler yet produced. Boiler lagged with wood and covered with sheet iron. Working pressure 60 lbs.

8915—8-Horse Power Single Cylinder Patent Robey Traction Engine; manufactured by the Exhibitors. Price £420. This engine is fitted with steel gearing throughout, compensating motion, fast and slow speeds, improved governors, water heater; the whole mounted upon strong wrought-iron travelling wheels. Working pressure 100 lbs.

8916—4-Horse Power Vertical Engine (without Boiler); manufactured by the Exhibitors. Price £49. Above engine is erected upon a massive cast-iron standard, and is fitted with feed pump, governor, and equilibrium valve, and complete in all respects.

8917—6-Horse Power Portable Engine; manufactured by the Exhibitors. Price £180. Fitted with steam-jacketed cylinder, governors, feed water heater, wrought-iron crankshaft, fire-box of Bowling iron, shell plates of best Staffordshire iron, and supplied with all necessary tools. Working pressure 60 lbs.

8918—12-Horse Power Improved Horizontal Fixed Engine; manufactured by the Exhibitors. Price £140. All the working parts combined with massive cast-iron girder; cylinder bolted at front end to girder, and supported by a broad foot. Piston rod of steel; mainshaft, best hammered scrap iron. With sensitive high speed governor, controlling equilibrium valve. Cylinder steam-jacketed, and lagged with polished mahogany and brass hoops.

8919—10-Horse Power Single Cylinder Portable Engine; manufactured by the Exhibitors. Price £240. Description same as Article No. 8917. Working pressure 60 lbs.

8920—20-Horse Power Horizontal Fixed Steam Engine (without Boiler); manufactured by the Exhibitors. Price £240. Similar in design to Article No. 8918, with steam-jacketed cylinder, lagged with polished mahogany and brass hoops. Fitted with expansion gear, adjustable by hand wheel while engine running.

8921—Single Corn-Grinding Mill; manufactured by the Exhibitors. Price £78 15s. Fitted with one pair of 3-ft. 6-in. best French stones, and crane for lifting runner stone for dressing. The stones and machinery are fixed in a metal frame of neat and compact design.

8922—10-Horse Power Patent Robey Fixed Engine and Locomotive Boiler Combined; manufactured by the Exhibitors. Price £250. With a pair of steam-jacketed cylinders, improved governors, heavy fly-wheel, wrought-iron crankshaft and expansion gear, all carried on massive cast-iron water heating bed plate under boiler. Small first cost. Saving time and expense in fixing; ease, safety, economy in working and fuel. Pressure 80 lbs.

8923—Small Sized Straw Elevator; manufactured by the Exhibitors. Price £45. Fitted with circular hopper; also supplied with Roper's patent direct driving apparatus, by which all gearing is dispensed with, and much wear and tear avoided.

8924—Large Sack Barrow; manufactured by the Exhibitors. Price £3.

8925—16-Horse Power Patent Robey Fixed Engine and Locomotive Boiler Combined; manufactured by the Exhibitors. Price £371. Description same as Article No. 8922, and with enlarged fire-box for burning wood. Working pressure 80 lbs.

8926—2-Horse-Power Vertical Engine and Cross Tubular Boiler Combined; manufactured by the Exhibitors. Price £63. Description same as Article No. 8913. Working pressure 60 lbs.

8927—Small Screw Jack; manufactured by the Exhibitors. Price £1 10s.

8928—4-Ft. 6-In. Thrashing and Finishing Machine; manufactured by the Exhibitors. Price £170. Description same as Article No. 8911, but, in addition, fitted with patent self-feeding apparatus for prevention of accidents. This apparatus comprises the following important advantages: prevents accidents, saves corn, and regulates the feed.

8929—5-Ft. Thrashing and Finishing Machine; manufactured by the Exhibitors. Price £160. Mounted on patent wrought angle-iron frame, with adjustable corn screen, barley awner, patent drum guard for the prevention of accidents, self-adjuster, and complete in all respects for finishing the corn for market.

8930—4-Horse Power Vertical Engine and Patent Tubulous Boiler Combined; manufactured by the Exhibitors. Price £106. Description same as Article No 8914, and boiler lagged with wood and covered with sheet-iron. Working pressure 60 lbs.

8931—6-Horse Power Patent Robey Traction Engine; manufactured by the Exhibitors. Price £360. Fitted with steel gearing throughout, compensating motion, fast and slow speeds, improved governors, water heater; the whole mounted upon strong wrought-iron travelling wheels, and fitted with improved steerage arrangement. Working pressure 100 lbs.

8932—2-Horse Power Vertical Engine (without Boiler); manufactured by the Exhibitors. Price £27. Erected on a massive cast-iron standard; fitted with feed pump, governor, equilibrium valve, and complete in all respects.

8933—8-Horse Power Improved Horizontal Fixed Engine; manufactured by the Exhibitors. Price £75. The whole of the working parts are combined with a massive cast-iron girder; the cylinder is bolted at the front end to the girder, and is also supported by a broad foot. Piston rod of steel, mainshaft of best hammered scrap-iron. Fitted with sensitive high speed governors controlling an equilibrium valve.

8934—8-Horse Power Portable Engine; manufactured by the Exhibitors. Price £210. Fitted with steam-jacketed cylinder, governors, feed water heater, wrought-iron crankshaft, fire-box of Bowling iron, shell plates of best Staffordshire iron, and supplied with all necessary tools. Working pressure 60 lbs.

8935—16-Horse Power Horizontal Fixed Steam Engine; manufactured by the Exhibitors. Price £196. Working parts combined with a massive cast-iron girder; cylinder bolted at front end to the girder, and is supported by a broad foot; piston rod of steel, mainshaft scrap-iron. Fitted with high speed governor, controlling an equilibrium valve. Cylinder steam-jacketed; expansion gear adjustable by hand while engine running.

8936—12-Horse Power Improved Portable Engine; manufactured by the Exhibitors. Price £305. Fitted with steam-jacketed cylinders, governors, feed water heater, wrought-iron crankshaft, fire-box of Lowmoor or Bowling iron, shell plates of best Staffordshire iron, and supplied with all necessary tools. Working pressure 60 lbs.

8937—Large Sized Straw Elevator; manufactured by the Exhibitors. Price £49. Fitted with circular hopper; also supplied with Roper's patent direct driving apparatus, by which all gearing is dispensed with, and much wear and tear avoided.

Stand No. 380.—*Armitage and Ruston, of Chatteris, March, Cambridge.*

Article 8938—8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. Fitted with steam-jacketed cylinder, governors, continuous feed pump, feed water heater, and all latest improvements.

8939—Billups' Patent Liquid-Manure Drill; manufactured by the Exhibitors. Price £45. 6 ft. between spread of wheels; 9 levers; high and broad wheels; very light in draught; stirrers set in motion before manure is sown; discharge of manure and seed altered and regulated at will, and independently of each other. Drill can travel without discharging manure.

8940—General Purpose Horse Hoe; manufactured by the Exhibitors. Price £17. The hoe leg carrying the share is attached to two parallel levers, and rises or falls to suit the inequality of land without altering the pitch of the share; depth of cut is regulated by a wheel or foot running in front of each share. The steering is very simple and easy.

Stand No. 381.—*John Greenslade, Engineer, of Taunton, Somerset.*

Article 8941—(*New Implement.*)—Winding Drum, with Greenslade's Patent Adjustable Coiling Gear, for Double Engine System of Steam Ploughing; manufactured by the Exhibitor. Price £50. Fitted with Greenslade's coiling gear, which admits more or less number of coils between flanges of the drum, so that ropes are properly coiled until quite worn out, and last a greater length of time, and therefore do much more work than heretofore.

8942—(*New Implement.*)—Greenslade's Patent Windlass for the Roundabout System of Steam Ploughing; manufactured by the Exhibitor. Price £120. Fitted with Greenslade's patent coiling gear, as described above, the drums of which are placed horizontally under the framing, by which arrangement the travelling anchors can work close up to it without inconvenience, and requiring no single or double snatch blocks.

8943—(*New Implement.*)—Greenslade's Patent Self-Acting Anchor, for the Roundabout System of Steam Ploughing; manufactured by the Exhibitor. Price £40. This anchor is constructed with oscillating tines, which are driven into the soil by its forward movement, an arrangement which entirely prevents dragging.

Stand No. 382.—*Thomas Hunter, of the Agricultural Implement Works, Maybole, Ayrshire.*

Article 8944—Hunter's New Patent Highland Society's Gold Medal Self-Acting Single Drill Turnip Topping and Tailing Machine, for Heavy Land; manufactured by the Exhibitor. Price £4 15s.

8945—Hunter's New Patent Highland Society's Gold Medal Self-Acting Single Drill Turnip Topping and Tailing Machine, for Light Land; manufactured by the Exhibitor. Price £4 10s.

8946—Hunter's Patent Self-Acting Double Drill Turnip Topping and Tailing Machine; manufactured by the Exhibitor. Price £9.

8947—Hanson and Hunter's Self-Acting Double Drill Turnip Thinning Machine; manufactured by the Exhibitor. Price £12.

8948—Set of Dickson's Patent Double Drill Root Cleaners, for Light Land; manufactured by the Exhibitor. Price £3 15s.

8949—Set of Dickson's Patent Double Drill Root Cleaners, for Heavy Land; manufactured by the Exhibitor. Price £4.

8950—Set of Dickson's Patent Double Drill Root Cleaners, Fitted with Knives for Heavy Land; manufactured by the Exhibitor. Price £4 5s.

8951—Mc Gill's Patent Railway Ticket Nipping and Parcelling Machine, Invaluable for Saving Time and Labour. Price £9 10s.

Stand No. 383.—*Burys and Co. (Limited), of Regent Works and Philadelphia Rolling Mills, Sheffield.*

Article 8952—Patent Combined Self-Acting and Manual Delivery Horse Rake; manufactured by the "Gem" Horse Rake and Implement Company, of Dunstable. Price £12. 54-in. wheels, and 28 Burys' registered "Perfection" section steel teeth. These steel teeth (manufactured solely by Burys & Co., of Sheffield), are one of the special features of the rake, and they are confidently recommended as superior to any other section.

8953—Improved Double-Furrow Plough, Marked B C, No. 4 D; manufactured by W. Ball & Sons, of Rothwell, Kettering. Price £9 7s. 6d. The breasts are made of steel, manufactured expressly for the purpose by Burys and Co.

8954—Case of Samples of Agricultural Tools and Articles; manufactured by the Exhibitors. Price £20. Chaff knives, scythes, disc-coulters, plough plates (steel), Burys' "Lion" reaper files, patent picks, wrenches, and samples of "Rail," "T," "V," and "Perfection" (registered) sections of rake teeth.

Stand No. 384.—*George Cubitt and Son, of North Walsham, Norwich.*

Article 8955—(*New Implement.*)—Patent Double or Single Furrow Plough; manufactured by the Exhibitors. Price £10 10s. This plough differs from all others, the draught being from the centre of the beams, and the depth of the ploughing can be regulated without altering the wheels.

8956—(*New Implement.*)—Patent Single Plough; manufactured by the Exhibitors. Price £6. This plough is made very short and very strong, and is fit for any hard work; it draws from the centre of the beams, consequently it is easy of draught, and the depth of ploughing is adjusted as the double.

8957—Water Cart, with Wrought-Iron Frame and Shafts; manufactured by the Exhibitors. Price £10. The body of the cart is made independently of the frame, therefore no fear of leakage, and is very durable.

Stand No. 385.—*G. Lewis and Son, of the Albert Iron Works, Kettering, Northamptonshire.*

Article 8958—General Purpose Steerage Horse Hoe, No. 9; manufactured by the Exhibitors. Price £8 5s. Fitted with 9 hoes for corn, and lifting lever arrangement, adjustable handles, improved interchangeable cast-steel hoe feet and other improvements; bars 6 ft. long. If fitted with hoes for wide work instead of corn hoe, same price.

8959—General Purpose Steerage Horse Hoe, No. 8; manufactured by the Exhibitors. Price £7 15s. Fitted with 7 hoes for root crops, improved lifting lever arrangement, and all improvements; bars 6 ft. long. If fitted with hoes for corn instead of roots, same price.

8960—General Purpose Steerage Horse Hoe; manufactured by the Exhibitors. Price £7 10s. Similar to Article No. 8958, but without lifting lever.

8961—General Purpose Steerage Horse Hoe, No. 6; manufactured by the Exhibitors. Price £7. Same as Article No. 8959, but without lifting lever.

8962—General Purpose Steerage Horse Hoe, No. 6. Price £7 10s. Fitted with 10 inverted hoes for corn, to take 5 rows, 2 hoes in each row.

8963—General Purpose Steerage Horse Hoe, No. 5; manufactured by the Exhibitors. Price £6. Same as our No. 6, but with smaller wheels; 7 hoes of any kind.

8964—General Purpose Steerage Horse Hoe, No. 4; manufactured by the Exhibitors. Price £5 10s. Fitted with 7 hoes of any kind, double bars 4 ft. 6 in. long, all improvements.

8965—Improved Steerage Horse Hoe; manufactured by the Exhibitors. Price £5. Single bar, 6 ft. wide; 6 corn hoes.

8966—New Patent Champion Swing Lifter, Shooter, and Loader; manufactured by the Exhibitors. Price £4 15s. Strongly recommended for shooting sacks of corn, &c., and for loading sacks, bales, barrels, &c., placing them fairly into the vehicle without further labour than that of winding-up the machine.

8967—New Patent Swing Lifter and Loader; manufactured by the Exhibitors. Price £4 5s. Same as above, but without shooting arrangements.

8968—New Patent Lifter, Shooter, and Loader, No. 7; manufactured by the Exhibitors. Price £4. Awarded the R. A. S. E. Silver Medal, 1874.

8969—New Patent Lifter and Loader, No. 3; manufactured by the Exhibitors. Price £3 10s.

8970—Improved Sack Lifter, No. 2; manufactured by the Exhibitors. Price £3 5s. Fitted with front sack holder.

8971—Improved Sack Lifter, No. 2; manufactured by the Exhibitors. Price £2 17s. 6d.

8972—Improved Sack Lifter, No. 1; manufactured by the Exhibitors. Price £2 10s.

8973—Extra Strong Wood Box Truck; manufactured by the Exhibitors. Price £1.

8974—Strong Wood Sack Truck; manufactured by the Exhibitors. Price 15s.

8975—Strong Iron Sack Truck; manufactured by the Exhibitors. Price 15s.

8976—Light Wood Sack Truck; manufactured by the Exhibitors. Price 12s.

8977—Set of Improved Solid Beam Clip Harrows; manufactured by the Exhibitors. Price £4 7s. 6d. With adjustable tines; suitable for two or three horses.

8978—Improved Patent Turnip Thinner, Single Row; manufactured by the Exhibitors. Price £5. Eaton's patent for ridge and flat.

Stand No. 386.—*J. W. Robinson and Co., of 61 and 63, Cazneau Street, Liverpool.*

Article 8979—"Aspinwall" Potato Planter, for Planting on the Flat; manufactured by the Exhibitors. Price £15. This machine works easily with two horses, opens its own furrow, deposits the potatoes at regular distances apart, and covers them all in one operation; is easily controlled by one man or a boy. Received Royal Society's Silver Medal at Taunton after exhaustive trial.

8980—"Aspinwall" Potato Planter, for Planting in the Ridge; manufactured by the Exhibitors. Price £15. Works easily with one horse; deposits the potatoes at regular distances apart on top of the manure preparatory for covering and ridging.

8981—"Aspinwall" Potato Digger; manufactured by the Exhibitors. Price £20. Works well in all soils, under all conditions of crop or weather; does not bruise the potatoes, and works easily with two horses. The potatoes are left at the side of the machine, free from earth, so that successive rows may be dug without picking. Received Royal Society's Silver Medal at Birmingham after trial. Greatly improved for 1879.

Stand No. 387.—*George Brown and Son, of Victoria Iron Works, Leighton Buzzard, Bedfordshire.*

Article 8982—8-Row Hensman & Sons' Royal Prize Bedfordshire Drill; invented by W. Hensman & Sons, of Woburn, improved and manufactured by the Exhibitors. Price £19 10s. Made to drill all sorts of corn and seeds from eight rows at 7 in. to three at 24 in. and intermediate distances; has independent steerage, deposits the corn by means of cups, is fitted with iron levers, a small box to apply for turnip, mangold-wurzel, and other small seeds.

8983—(*New Implement.*)—Newly-Invented Steerage Horse Hoe; invented, improved, and manufactured by the Exhibitors. Price £12 12s. Has

a very effective and entirely new arrangement for altering the pitch of hoes, which is instantly accomplished by means of a hand wheel; has wrought tubular iron levers, combining lightness with solidity and strength; the blades are made entirely of steel, and of a peculiar and much improved shape. (*For Trial.*)

8984—Lever Horse Hoe or Grubber, with 5 Shares; manufactured by the Exhibitors. Price £5. Fitted with regulating screw, wrought-iron necks, to which are attached chilled points and steel blades; when used as a grubber, simply remove the blades and fit on the shoes.

8985—Lever Horse Hoe or Grubber, with 3 Shares; manufactured by the Exhibitors. Price £3 10s. Fitted with wrought necks, to which are attached chilled points and steel blades; when used as a grubber, simply remove the blades and fit on shoes.

8986—Horse Hoe, with 3 Shares; manufactured by the Exhibitors. Price £2 10s. Without lever or regulating screw.

8987—Iron Plough, marked R; invented and manufactured by the Exhibitors. Price £5 5s. Fitted with steel breasts and two wheels.

Stand No. 388.—*George Sellar and Son, of Huntly, Aberdeen.*

Article 8988—(*New Implement.*)—2-Breast Barclay and Sellar's Patent Digger or Cultivator; manufactured by the Exhibitors. Price £10 10s. The invention mainly consists of a peculiar digging breast which pulverizes and mixes the lower portion of the furrow slice, and turns over only the upper portion.

8989—(*New Implement.*)—3-Breast Barclay and Sellar's Patent Digger or Cultivator; manufactured by the Exhibitors. Price £13 10s. On the same principle as the two-breast digger, but breasts modified to suit a different soil.

8990—1-Wheel 2-Horse General Purpose Plough; manufactured by the Exhibitors. Price £5 5s. With No. 27 steel breast, 3 ft. 3 in. long, and wrought-iron share.

8991—1-Wheel 2-Horse General Purpose Plough; manufactured by the Exhibitors. Price £5 6s. With No. 28 steel breast, 3 ft. 5 in. long, and wrought-iron share.

8992—1-Disc-Wheel General Purpose 2-Horse Plough; manufactured by the Exhibitors. Price £5 13s. With No. 29 steel breast, 3 ft. 7 in. long, and wrought-iron share.

8993—1-Disc-Wheel General Purpose 2-Horse Plough; manufactured by the Exhibitors. Price £5 14s. With No. 30 steel breast, 3 ft. 10 in. long, and wrought-iron share.

8994—1-Disc-Wheel General Purpose 2-Horse Plough; manufactured by the Exhibitors. Price £5 15s. With No. 31 steel breast, 4 ft. long, and wrought-iron share.

8995—4-Horse Plough; manufactured by the Exhibitors. Price £7 10s. With No. 22 steel breast and wrought-iron share.

8996—Pirie's Patent Double Furrow Plough; manufactured by the Exhibitors. Price £14 10s. Adapted for taking one furrow up and two down hill if desired.

8997—Combined Common and Subsoil Plough; manufactured by the Exhibitors. Price £8. Subsoiling part can be detached at pleasure, leaving the common plough complete.

8998—Ridging or Drill Plough; manufactured by the Exhibitors. Price £4 10s. With drill gauge, specially adapted for turnip culture.

8999—Set of 3 Zig-Zag Harrows; manufactured by the Exhibitors. Price £4. With steel tines driven into slots, forming a most effective, durable, and simple harrow.

Stand No. 389.—*C. Denning and Co., of the Implement Works, Chard, Somerset.*

Article 9000—13-Row Patent Chain Corn Drill, with Steerage; manufactured by the Exhibitors. Price £29 10s.; new and improved steerage, £5 5s. extra. Took First Prize at Bedford Meeting of Royal Agricultural Society. Sows regularly up or down hill, and on sideling land; only one change wheel; fitted with patent lift and pressing apparatus.

9001—11-Row Patent Archimedean Corn Drill, Class A; invented, patented, and manufactured by the Exhibitors. Price £25 10s. Sows regularly up and down hill or on sideling land; is the simplest and most efficient drill invented; has no change wheels or rack work; is fitted with patent lifting apparatus, as Article No. 9000.

9002—11-Row Patent Archimedean Drill, Class C; invented, patented, and manufactured by the Exhibitors. Price £25 10s. Similar to Article No. 9001, but fitted with Exhibitors' new coulter, which form a wide seed furrow by lifting the soil.

9003—4-Row Patent Turnip and Manure Drill; invented and manufactured by the Exhibitors. Price £17.

9004—6-Row Fixed Coulter Drill; manufactured by the Exhibitors. Price £9; regulating wheel, 10s. extra. A cheap and strong implement.

9005—Rising Action Haymaker, with Centre Seat; manufactured by the Exhibitors. Price £10 10s.; seat, £1 extra.

9006—7 Ft. by 20 In. "Cambridge" Clod Crusher, with Seat; manufactured by the Exhibitors. Price £12.; seat, 15s. extra. Fitted with Exhibitors' prize balanced tubular frame.

9007—6 Ft. by 18 In. Plain Segment Roller, with Wood Frame; manufactured by the Exhibitors. Price £10.

9008—7½ Ft. by 7½ Ft. Prize Wrought-Iron Tine and Chain Harrow; manufactured by the Exhibitors. Price £4 5s. Fitted with improved flexible expanders and dividing books.

9009—7½ Ft. by 7½ Ft. Flexible Chain Harrow; manufactured by the Exhibitors. Price £3 10s. Similar to above, but without tines; is the best chain harrow made.

9010—No. 1 C 3-Speed Pony Gear; manufactured by the Exhibitors. Price £7 5s.

9011—No. 2 C Horse Gear; manufactured by the Exhibitors. Price £9.

9012—No. 3 C Horse Gear; manufactured by the Exhibitors. Price £10. Above gears are fitted with improved beds and covered driving wheels.

9013—Improved Apple Mill and Corn-Bruiser; manufactured by the Exhibitors. Price £16 10s. Improved corn-grinding apparatus, £2 extra.

9014—Double-Geared Cider Press; manufactured by the Exhibitors. Price £28.

9015—(*New Implement.*)—New Improved Sheep-Dipping Apparatus; manufactured by the Exhibitors. Price £30. The most economical and efficient sheep-dipper yet made; sixteen sheep can be draining at one time; two men can easily work it; the sheep are kept in a standing position throughout.

Stand No. 390.—*Benjamin Reid and Co., of the Bon-Accord Works, Aberdeen.*

Article 9016—11-Row Patent "Disc" Corn and Seed Drill, Class G P, with 2-Wheel Fore Steerage; manufactured by the Exhibitors. Price £26 10s. Will sow all kinds of grain, seeds, peas, beans, mangold, &c.

9017—10-Row Small Occupation Patent "Disc" Corn and Seed Drill; manufactured by the Exhibitors. Price £17 10s. Will sow all kinds of grain, seeds, peas, beans, mangold, &c.

9018—18-Ft. Patent "Disc" Broadcast Sowing Machine, Class B; manufactured by the Exhibitors. Price £17. Will sow grain and grass seeds, clover, peas, beans, &c.

9019—12-Ft. Patent "Disc" Broadcast Sowing Machine, Class A; manufactured by the Exhibitors. Price £12 10s. Will sow grain and grass seeds, clover, peas, beans, &c.

9020—16-Ft. Broadcast Sowing Machine, with Box made in Two Halves to Fold when Travelling; manufactured by the Exhibitors. Price £17. For grain, grass seeds, clover, &c.

9021—Aberdeen "Disc" Turnip-Sowing Machine; manufactured by the Exhibitors. Price £6 6s. Will sow with the utmost regularity on level and hilly ground; requires no levelling apparatus.

9022—Aberdeen "Disc" Turnip and Mangold-Sowing Machine; manufactured by the Exhibitors. Price £6 15s. Will sow on level or hilly ground; requires no levelling gearing.

9023—Single-Row Turnip and Mangold-Sowing Machine; manufactured by the Exhibitors. Price £2 10s. Can be had with wheels or with back roller.

9024—Iron Frame Hand Thrasher; manufactured by the Exhibitors. Price £6.

9025—Wood Frame Hand Thrasher; manufactured by the Exhibitors. Price £5 5s.

9026—All Wrought-Iron Frame Thrasher; manufactured by the Exhibitors. Price £15. Specially suitable for warm climates; will pack in small compass for export.

9027—All Wrought-Iron Frame Thrasher; manufactured by the Exhibitors. Price £12. Specially adapted for export and for warm climates.

9028—Hand and Foot Thrasher; manufactured by the Exhibitors. Price £7.

9029—No. 2 Thrasher, with Horse Gear; manufactured by the Exhibitors. Price £14.

9030—Patent "Silent" Winnowing or Corn-Dressing Machine; manufactured by the Exhibitors. Price £8 10s.

9031—Thrashing Machine with Crank Shakers; manufactured by the Exhibitors. Price £10.

9032—Small Winnower or Corn-Dressing Machine; manufactured by the Exhibitors. Price £5.

9033—Drill Grubber or Horse Hoe; manufactured by the Exhibitors. Price £2 10s.

9034—Combined Drill Grubber and Ridge Plough; manufactured by the Exhibitors. Price £3 15s.

9035—Set of Drain-Cleaning Rods; manufactured by the Exhibitors. Price £1 15s.

9036—Set of Drain-Cleaning Rods; manufactured by the Exhibitors. Price £2 5s.

9037—Set of Drain-Cleaning Rods; manufactured by the Exhibitors. Price £2 12s.

9038—Patent Double Action Wrought-Iron Straining Pillar for Wire Fences; manufactured by the Exhibitors. Price £1 14s.

9039—Single-Action Straining Pillar for Wire Fences; manufactured by the Exhibitors. Price £1 10s.

9040—Square Double-Action Winding Pillar for Wire Fences; manufactured by the Exhibitors. Price 17s. 6d.

9041—Square Single-Action Winding Pillar for Wire Fences; manufactured by the Exhibitors. Price 14s.

9042—Wood Pillar, Fitted with Double-Action Winding Rollers for Wire Fences; manufactured by the Exhibitors. Price 15s.

9043—Wood Pillar, Fitted with Single-Action Winding Rollers for Wire Fences. Price 10s.

9044—Sample of Continuous Flat Bar Fencing; manufactured by the Exhibitors. Price 2s. 6d. per yard.

Stand No. 391.—*J. and H. McLaren, of the Midland Engine Works, Leeds.*

Article 9045—Improved 8-Horse Power Agricultural Locomotive or Traction Engine; manufactured by the Exhibitors. Price £420. Fitted with extra-strong crucible cast-steel gearing throughout, double speed for road motion, steel axles, winding drum, and 50 yards steel rope on main axle, water-lifter and suction hose on tank, and all the latest improvements. Suitable for thrashing, grinding, and farm-work generally.

9046—Improved 6-Horse Power Agricultural Locomotive or Traction Engine; manufactured by the Exhibitors. Price £360. With steel spur gearing throughout, double-speed winding drum on main axle, with 50 yards steel-wire rope, water-lifter and suction hose, lamps, waterproof cover and outfit complete.

9047—Improved 6-Horse Power Patent Agricultural Locomotive or Traction Engine; manufactured by the Exhibitors. Price £360. Patent arrangement for expansion and contraction of boiler, without throwing any strain upon the working parts. Cast-steel driving gear throughout, double speed; water-lifter, winding drum, and steel rope on main axle, and all latest improvements.

9048—Improved Traction Waggon; manufactured by the Exhibitors. Price £75. On 4 broad wheels, of best seasoned timber, English

oak framing, and under-carriage carried on strong springs. Suitable for agricultural produce, brick haulage, and every description of farm and estate work.

9049—2 Patent Road-Wheels, for Traction Engine; manufactured by Dawson and Nunneley, of Leeds, for the Exhibitors. Price £75 the pair.

Stand No. 392.—*Everitt, Adams, and Co., of St. Andrews Works, Ryburgh, Norfolk.*

Article 9050—*New Implement*—Patent 10-Horse Power Traction Engine; manufactured by the Exhibitors. Price £580. This engine is fitted with two vertical wrought-iron winding drums; is suitable for any system of steam cultivation, and for general farm and contractor's work.

9051—(*New Implement.*)—New 4-Wheeled Wrought-Iron Windlass for Steam Cultivation; manufactured by the Exhibitors. Price £100. This windlass is fitted with patent clutch gear, enabling the tackle to be worked without stopping the engine, an all-important feature where single-cylinder engines are used.

9052—(*New Implement.*)—Patent Wrought-Iron Automatic Travelling Anchor; manufactured by the Exhibitors. Price £50. This anchor is fitted with a patent single-lever and automatic signal apparatus.

9053—(*New Implement.*)—Patent Corner Snatch-Block (Heavy); manufactured by the Exhibitors. Price £15. This snatch-block is fitted with road-wheels to enable it to be very quickly removed from place to place; easily set and taken up.

9054—(*New Implement.*)—Patent Corner Snatch-Block (Light); manufactured by the Exhibitors. Price £12 10s. Similar to the above.

9055—(*New Implement.*)—New Tubular Rope Porter; manufactured by the Exhibitors. Price £1.

9056—(*New Implement.*)—Patent Double-Row Turnip Thinner, or Setting-Out Hoe (the "Simplex"); manufactured by the Exhibitors. Price £10 10s. This machine, as the name implies, is for the purpose of setting-out turnip and other roots on either ridge or flat, and is by far the simplest and most efficient yet introduced. It can be easily drawn by one horse, and manipulated by any ordinary farm labourer.

9057—(*New Implement.*)—Patent Single-Row Turnip Thinner and Setting-Out Hoe; manufactured by the Exhibitors. Price £7 10s. This machine has a diagonal cut, but is in other respects similar to the above, except that it is for one row only.

Stand No. 393.—*John Leeming and Son, of North Vale Works, Bradford, Yorkshire.*

Article 9058—(*New Implement.*)—Patent Turning Steam-Plough (Wood's and Whewell's Patent); manufactured by the Exhibitors. Price £130. Advantages: only one man required to work it; shorter headlands and quicker return; will enter any ground and keep in; may be run at a higher speed than balance; can be constructed as a combined implement for harrowing, rolling, cultering, &c. (*For Trial.*)

Stand No. 394.—*James and Frederick Howard, of the Britannia Iron Works, Bedford.*

9059—Pair of 8-Horse Power Locomotive Ploughing Engines; manufactured by the Exhibitors. Price £1100. Fitted with single winding drums for working on the double-engine system. These engines are available for thrashing and hauling as well as for steam ploughing.

9060—Pair of 12-Horse Power Locomotive Ploughing Engines; manufactured by the Exhibitors. Price £1400. Similar to the preceding, but larger, and adapted for working on hire, and for large estates.

9061—Pair of 16-Horse Power Locomotive Ploughing Engines; manufactured by the Exhibitors. Price £1700. Similar to the preceding, but still larger.

9062—Farmer's Locomotive Engine, with Howard's Patent Self-Moving Automatic Anchor, Self-Lifting Cultivator and Apparatus; manufactured by the Exhibitors. Price £750 complete; with cultivator, &c., for working. Price of engine, without drums, £430. This engine is designed with a detachable windlass, so that it can be used for thrashing and hauling, as well as for steam ploughing.

9063—(*New Implement.*)—Farmers' Locomotive Engine, with Howard's Patent Automatic Anchor, Self-Lifting Cultivator and Apparatus complete; manufactured by the Exhibitors. Price £550 complete, with cultivator, &c., for working. Price of engine, without drums, £340; if with wrought-iron wheels, £20 extra. Specially designed for thrashing, &c., as well as for steam cultivating. Similar to the preceding, but lighter.

9064—Set of Rear Windlass Steam-Cultivating Apparatus, with Howard's Patent Self-Moving Automatic Anchors and Self-Lifting Cultivator; manufactured by the Exhibitors. Price £330. A simple, strong and durable apparatus upon the roundabout system. The windlass is placed at the rear of the engine, and connected with it by a single bolt; and much time is saved by the driver having perfect control over engine and windlass.

9065—Patent Self-Moving Automatic Anchor, with New Patent Lifting Arrangement; manufactured by the Exhibitors. Price £50. Is readily adapted to work implements of different widths, and when adjusted it works automatically, and only requires occasional attention in steering to suit the boundary of the field.

9066—2-Wheel Steam Plough; manufactured by the Exhibitors. Price £95. The beams, which carry 5 sets of steel bodies, are flanged, and made very strong. The steerage, and methods of altering the depth of the wheels, are very simple.

9067—2-Wheel Steam Plough; manufactured by the Exhibitors. Price £85. Similar to the preceding, but for 4 furrows at a time instead of 5, and is also made extra strong for deep work.

9068—2-Wheel Steam Plough; manufactured by the Exhibitors. Price £60. Similar to the preceding, but lighter, and to carry 3 pairs of bodies. By suitable alterations the plough may be used for scarifying, digging, or subsoiling.

9069—Deep Steam Plough and Subsoiler; manufactured by the Exhibitors. Price £90. Constructed to plough 12 in. to 18 in. deep, and to subsoil a further depth of from 6 in. to 12 in.

9070—Patent Self-Lifting and Turning Cultivator, with 9 Tines; manufactured by the Exhibitors. Price £75. A powerful implement for breaking up strong land to a great depth. It is lifted out of work and turned at land's end by a self-acting movement.

9071—Patent Self-Lifting and Turning Cultivator, with 7 Tines; manufactured by the Exhibitors. Price £55. Similar to the preceding, but with 7 tines instead of 9.

9072—Patent Self-Lifting and Turning Cultivator, with 5 Tines; manufactured by the Exhibitors. Price £45. Similar to the above, but a lighter implement, adapted for lighter work.

9073—Patent "Twin" Cultivator; manufactured by the Exhibitors. Price £70. This implement comprises a pair of light but strong scarifiers suspended from a frame. It is intended for stirring when the land has been broken up by the plough or cultivator, and covers 12 ft. The pair of scarifiers can be folded up for passing through gateways.

9074—Patent Self-Lifting and Self-Turning Steam Scarifier; manufactured by the Exhibitors. Price £32 10s. Is intended for the same operations as the ordinary horse scarifier or drag harrow, but made strong enough for steam power, and with adjustable steel tines and points. It lifts and turns at the headlands in the same way as the cultivators before described.

9075—Improved Travelling House; manufactured by the Exhibitors. Price £100, with bedding, &c., complete. Is strongly built, mounted on springs and wrought-iron wheels, and fitted up with all requisites for a lodging for the workmen, with steam cultivating machinery, and is also provided with store places for wearing parts of same.

9076—Water Cart; manufactured by the Exhibitors. Price £28; pump and hose, £5 extra. Intended for supplying steam cultivating and other engines with water. The barrel is of wrought iron, and will contain about 250 gallons.

9077—Water Cart; manufactured by the Exhibitors. Price £35 10s.; pump and hose, £5 extra. Similar to the preceding, but mounted on 4 wrought-iron wheels instead of 2.

9078—Liquid-Manure Cart; manufactured by the Exhibitors. Price £23; pump and hose, £5 extra; manure distributor, £2 extra. The body is cast in one piece, and is more durable than wrought-iron carts, or cast-iron put together in pieces.

9079—Traction Waggon; manufactured by the Exhibitors. Price £65, with wooden body; with iron body, £10 extra. Intended for the conveyance of coal and other heavy materials for the traction engine.

9080—Patent Plough, B B; manufactured by the Exhibitors. Price £5 7s. 6d.; steel breast, 5s. extra; skim coulter, 5s. extra; patent screw depth-regulators, 5s. extra. The Exhibitors' well-known Champion Plough; and recommended for general purposes. It is also fitted with screw depth-regulators, by which the depth of work can be altered without stopping the horses.

9081—Patent Plough, B; manufactured by the Exhibitors. Price £5 2s. 6d.; steel breast, 5s. extra; skim coulter, 5s. extra. Similar to the preceding, but a size smaller, and without the screw depth-regulators.

9082—Set of Howard's Ridging, Potato-Raising, Subsoil, Paring, and Digging Bodies; manufactured by the Exhibitors. Prices: ridging body, £1 10s.; potato-raising body, £1 17s. 6d.; subsoil body, £1 1s.; paring body, £1 12s. 6d.; digging body, £1 12s. 6d. Can be attached to the Exhibitors' ordinary ploughs, 3 bolts only having to be removed.

9083—Patent Plough, L B; manufactured by the Exhibitors. Price £4 15s.; steel breast, 5s. extra; skim coulter, 5s. extra. Similar to Article No. 9081, but lighter, and adapted for 2 light horses.

9084—Patent Plough, M B; manufactured by the Exhibitors. Price £3 12s. 6d. Is intended for 1 horse, and adapted for shallow ploughing, or for general purposes on light soils.

9085—Patent Swing Plough, s b; manufactured by the Exhibitors. Price £4; steel breast, 5s. extra. Similar to the Exhibitors' ordinary wheel plough, but made with longer handles and shorter beam.

9086—Patent Dwarf Plough, d; manufactured by the Exhibitors. Price £2 10s.; steel breast, 3s. 6d. extra. Is suitable for a small horse or pony, and is adapted for stirring loose soil, and for any kind of shallow ploughing, where the draught is light.

9087—Howard's Pulverizing Plough, j, for Deep Work; manufactured by the Exhibitors. Price £4 15s., with skim coulter. This plough is particularly suitable for market gardeners and others desiring a deep pulverized furrow-slice. The wheels can be readily adapted to various widths and depths.

9088—Howard's Universal Plough, j j; manufactured by the Exhibitors. Price £6 10s., with wrought-iron share and skim coulters. This plough is somewhat novel in appearance, and possesses several important advantages, especially for deep work. The draught is remarkably light, and the peculiar form of the breast leaves a broken surface similar to digging.

9089—Howard's Double Subsoil Plough, ds; manufactured by the Exhibitors. Price £7. This is the strongest and most effective implement yet produced for the purpose of subsoiling. It moves the whole of the ground with as little draught as most single-tined implements. This plough is a most useful and efficient implement for breaking-up headlands after the steam-ploughing engine.

9090—Improved Combined Wood and Iron Plough, c c; manufactured by the Exhibitors. Price £8 10s., as a double plough with steel breasts. A light but strong wood and iron plough, and can be readily converted into a double plough by simply screwing on an extra beam and body.

9091—Patent Double Furrow Convertible Plough, c c; manufactured by the Exhibitors. Price £8 10s., with steel breasts. Same as above but shown as a light, strong, and efficient double plough, convertible in a few minutes into an equally efficient single plough, either with or without wheels. Depth of ploughing can be altered without stopping.

9092—Patent Double Furrow Convertible Plough, c c; manufactured by the Exhibitors. Price £9 15s., with malleable frames and steel breasts. Similar to the preceding, but with steel beams tapered from end to end, therefore giving lightness and rigidity.

9093—Patent Double Plough, o b u; manufactured by the Exhibitors. Price £11; steel breasts, 10s. extra; skim coulters, 10s. per pair extra. The Exhibitors believe it to be found the most efficient yet offered to the public. The lifting out of work at land's end is done entirely by the horses, which greatly facilitates the turning.

9094—Patent Double Plough, r b; manufactured by the Exhibitors. Price £7; steel breasts, 10s. extra; skim coulters, 10s. per pair extra. Similar to the preceding, but lighter, and without the steering.

9095—Patent Double Plough, t c; manufactured by the Exhibitors. Price £10, with steel breasts. Same in construction as the Exhibitors' triple plough, but made to take two furrows at a time instead of three.

9096—Howard's Triple Plough, t c; manufactured by the Exhibitors. Price £12 15s. with steel breasts; without coulters, 15s. less. The above triple plough has been brought out to reduce to the utmost the cost of shallow ploughing. By its use greater economy, as well as expedition in ploughing, is effected than with the double furrow plough, into which it may at once be converted by the removal of the hinder body.

9097—Howard's Turnover or Brabant Plough, T P B; manufactured by the Exhibitors. Price £9, with steel breasts. It originated in Brabant or Flanders, has for many years been in general use in many parts of France, Belgium, and other parts of the Continent. The moving and turning at land's end are accomplished with remarkable ease. These are well adapted for sewage farms, and wherever one-way ploughing is required.

9098—Turnover Plough for Kent Work, T K; manufactured by the Exhibitors. Price £12, with steel breasts. Similar to the preceding in construction, but much stronger, and fitted with Kentish breasts.

9099—Howard's Anglo-American Turnwrest Plough, S T W; manufactured by the Exhibitors. Price £2 5s.; steel breast, 5s. extra. An improved form of the American turnwrest or hill-side plough. It is simple in construction, and turns the land all in one direction, leaving no open furrows.

9100—Wrought-Iron Colonial Plough, C B; manufactured by the Exhibitors. Price £5 15s., with wrought frame and steel breast. Specially for use in places where the work is rough, and the means of repair difficult. In general design they are the same as the Champion Ploughs B and B B, but made entirely of wrought and malleable iron or steel. The beams and handles are made to take to pieces so as to pack in small compass.

9101—"Eagle, No. 75" Plough; manufactured by the Exhibitors. Price £2 13s. The well-known American plough, extensively used in the United States, English Colonies, &c. Additional strength is secured by the beam being strongly plated with iron at top and side.

9102—Patent Ridging Plough, B; manufactured by the Exhibitors. Price £4 2s. 6d.; steel breasts, 10s. extra; marker to regulate width of ridges, 8s. 6d. extra; set of hoes, 11s. extra. These ploughs—many thousands of which are in use—are intended for moulding-up or forming ridges for turnips, beet-root, or potatoes. By simply removing the breasts and attaching the hoes, these implements can be used as horse hoes.

9103—Patent Ridging Plough, S B; manufactured by the Exhibitors. Price £3 12s. 6d. Similar to the preceding, but a size smaller and fitted with one wheel only.

9104—Howard's Potato Plough, B P; manufactured by the Exhibitors. Price £4 17s. 6d., with two wheels and double raisers. With this plough 2 horses will raise 3 to 4 acres of potatoes in a day. For earthing-up potatoes it will be found a better implement than the ordinary ridging-plough, as it throws the earth more lightly on the plants. At once changed to a ridging plough by removing raisers and putting on ordinary breasts and shares.

9105—Tubular Iron Whippletrees; manufactured by the Exhibitors. Prices: suitable for a pair of horses, with wood bars, 12s.; with tubular iron bars, 18s. 6d.; for double plough, for 3 horses abreast, £1 10s.

9106—Wrought-Iron Plough Sledges; manufactured by the Exhibitors. Price 12s. 6d. each. For the moving of ploughs from one part of the farm to another, so that unnecessary wear and breakages are avoided.

9107—Dynamometer, or Draught Gauge; manufactured by the Exhibitors. Price £3 5s., with strong oak case. A simple instrument for testing the draught of ploughs or other implements.

9108—Improved Self-Lifting Wheel Harrow, L 3; manufactured by the Exhibitors. Price £9 10s. These implements will be found very serviceable both as drag harrows and as light scarifiers. They possess an advantage over the ordinary drag harrows in being mounted upon wheels, which, whilst diminishing the draught, allows of ready adjustment for harrowing the land deeper or shallower as may be required.

9109—Improved Self-Lifting Wheel Harrow, L 2 ; manufactured by the Exhibitors. Price £8 10s. A size smaller than the preceding. When the implement arrives at land's end—upon the driver releasing the lever—the harrow, by the forward movement of the horses, is at once lifted clear of the ground, the draught chain being attached to the arm of the lever. The tines are fitted with loose steel shares, which can be readily replaced when worn.

9110—Pair of Handled Drag Harrows, H 16 ; manufactured by the Exhibitors. Price £5 17s. 6d. The same as Exhibitors' drag harrows, but furnished with handles, by which convenient arrangement the tines can be pressed into the ground, or lifted out to clear them, as occasion may require.

9111—Pair of Handled Drag Harrows, H 17 ; manufactured by the Exhibitors. Price £6. With 4 beams instead of 3. They are made with either pointed or with chisel-shaped teeth. These harrows are very strong and durable, and for much of the work of the farm are preferable to scarifiers or cultivators.

9112—Pair of Handled Drag Harrows, H 18 ; manufactured by the Exhibitors. Price £5 5s. These are similar to the preceding, but a size smaller, and with 3 beams instead of 4.

9113—Set of Zigzag Harrows, No. 10 ; manufactured by the Exhibitors. Price £5 10s. Hundreds of thousands of these harrows are in use, and they are so widely known that any lengthened description is unnecessary. They are strong, durable, and thoroughly adapted for all countries, and for all kinds of work.

9114—Set of Zigzag Harrows, No. 11 ; manufactured by the Exhibitors. Price £4. The tines cut a separate track at a uniform distance, and are fitted into the frames in the simplest and most secure manner, and by means of a guard to the nuts they are effectually prevented from working loose.

9115—Set of Zigzag Jointed Harrows, No. 12 ; manufactured by the Exhibitors. Price £3 16s. These harrows are the same in principle as the preceding, but are made with joints in the centre of each ; on land ploughed in narrow ridges these joints allow the harrows to adapt themselves to the form of the ridge.

9116—Set of Zigzag Harrows, No. 14 ; manufactured by the Exhibitors. Price £3 3s. These are very suitable for harrowing-in corn on light land.

9117—Set of Zigzag Harrows, No. 0 ; manufactured by the Exhibitors. Price £2 17s. 6d. Adapted for general use on very light land.

9118—Set of Zigzag Harrows, No. 0 0 ; manufactured by the Exhibitors. Price £2 10s. Very light, and adapted for 1 horse on very light land.

9119—Patent Steel Chain Harrow, F W 1 ; manufactured by the Exhibitors. Price £2 10s. It is unquestionably the most perfect flexible harrow yet produced. The tripods are constructed of wrought-steel rods instead of cast-iron, and by an improvement in their form the harrow is rendered as efficient for arable land as the common chain harrow, while at the same time its superiority as a grass land harrow is fully maintained.

9120—Patent Steel Chain Harrow, F W 2 ; manufactured by the Exhibitors. Price £4. A size larger than the preceding. These harrows will do as much in going over a field once as the ordinary chain harrow will do at three times. When used upon arable land the harrow should be drawn the reverse way.

9121—Patent Steel Chain Harrow, F W 3; manufactured by the Exhibitors. Price £5 5s. Similar to the preceding, but larger and adapted for three horses.

9122—Patent Self-Acting Horse Rake, 0 0; manufactured by the Exhibitors. Price £10 10s. The first self-acting horse rakes which secured public favour, and owing to their extraordinary success—tens of thousands being in use—many attempts have been made to imitate them, but the Exhibitors' simple brake principle (patented) is so instantaneous in action, that all other contrivances for the same object are but complicated expedients.

9123—Patent Self-Acting Horse Rake, 0 0 0; manufactured by the Exhibitors. Price £12. A size larger than the preceding. These are the most easily managed and the most perfect self-acting rakes yet produced. The arrangement for emptying the load is extremely simple: the driver, if riding, merely having to touch a lever with his foot; if walking with his hand. No exertion required, as the horse's power is used instead of the man's.

9124—Patent Self-Acting Rake, 0 0 0 0; manufactured by the Exhibitors. Price £13. Similar to the preceding, but still larger. The teeth of all the Exhibitors' rakes are made of wrought fluted steel, tapered and tempered, a light but strong tooth being thereby obtained.

9125—Patent Self-Acting Horse Rake, 0 0 0 0 0; manufactured by the Exhibitors. Price £14. For some years past the demand for rakes of larger capacity as well as with higher wheels has been on the increase, and to render their rakes of large size still more valuable, the Exhibitors now make them with stout wrought wheels, without extra charge.

9126—Improved Anglo-American Rake, A A; manufactured by the Exhibitors. Price £8 8s. For strength, simplicity, efficiency, and durability, this rake is unquestionably far in advance of any light rakes hitherto introduced.

9127—Improved Anglo-American Rake, A A; manufactured by the Exhibitors. Price £8 15s. Similar to the preceding, but with iron axle. The teeth are of fluted tapered steel, and are so hung that they have full liberty to fall into hollows or furrows, and to adapt themselves to the irregularities of the surface.

9128—Patent Double-Action Haymaker, H H; manufactured by the Exhibitors. Price £15 15s.; wire screen, to prevent grass lodging, 12s. 6d. extra. For many years these standard machines—thousands of which are in use—have required no alteration in their construction, and they continue to give universal satisfaction. They are made principally of wrought or malleable iron, and with ordinary care will go for years without repair.

9129—Patent Double-Action Haymaker, H; manufactured by the Exhibitors. Price £13 13s.; wire screen, to prevent grass lodging, 12s. 6d. extra. Is the Exhibitors' well known haymaker, fitted with wooden wheels, which are preferred in a few countries and localities. Their other haymakers can also be fitted with wooden instead of wrought-iron wheels.

9130—Patent Simplex Mower; manufactured by the Exhibitors. Price £18 10s., with 2 knives, seat, and tool-box. Although the Simplex is a very light machine, it is from its construction remarkably strong, and has been proved to be capable of standing the roughest usage, and of cutting the heaviest crops.

9131—Patent Simplex Mower, with Manual Delivery Reaping Attachments; manufactured by the Exhibitors. Price £21 10s., with 2 knives, seat, and tool-box. Similar to the preceding, but with extra parts, so as to be readily converted into a manual or back-delivery reaper.

9132—Patent Simplex Reaper ; manufactured by the Exhibitors. Price £29, with 2 knives, seat, and tool-box. The Simplex Reaper has now gone through several harvests, and every part found liable to fracture or undue wear has been strengthened and improved. The Exhibitors therefore—especially from the experience of last harvest—have the greatest confidence in recommending it as a light, strong, efficient, and durable machine.

9133—Patent Simplex Reaper ; manufactured by the Exhibitors. Price £29. Similar to the preceding, but with five rakes, and without the switch action.

9134—Howard's Patent Sheaf Binder ; manufactured by the Exhibitors. Price £63. This implement binds into sheaves the cut grain as it is delivered from the platform of the reaping machine.

DEPARTMENT FOR MACHINERY IN MOTION.

Stand No. 395.—*James and Frederick Howard, of the Britannia Iron Works, Bedford.*

For particulars of entry, see Stand No. 394 in Implement Sheds.

Stand No. 396.—*Robey and Co., Engineers, of Lincoln.*

For particulars of entry, see Stand No. 379 in Implement Sheds.

Stand No. 397.—*Barford and Perkins, of the Queen Street Iron Works, Peterborough, Northamptonshire.*

For particulars of entry, see Stand No. 378 in Implement Sheds.

Stand No. 398.—*Perkins, Paternoster and Burlingham, of the Iron Works, Hitchin, Herts.*

For particulars of entry, see Stand No. 362 in Implement Sheds.

Stand No. 399.—*William Box, of Uffington, Faringdon, Berks.*

Article 9135.—(*New Implement.*)—8-Horse Power Traction Engine ; manufactured by Robey & Co., of Lincoln. Price £450. Exhibitor's patent road locomotive, on springs. With winding drum, efficient break, back

storage, spring drawing bar, &c.; boiler relieved from all strain and free to expand; no bolts into boiler except cylinder bolts; two speeds, steel gear; flywheel clear of machinery, to receive belt, extreme width under 6 ft.

9136—Thrashing and Finishing Machine, 54-In. Drum; manufactured by Robey & Co. Price £150. 4 ft. 6 in., with iron frame.

Stand No. 400.—*Richmond and Chandler, of Salford, Manchester.*

For particulars of entry, see Stand No. 361 in Implement Sheds.

Stand No. 401.—*Woods, Cocksedge, and Co., of Suffolk Iron Works, Stowmarket.*

For particulars of entry, see Stand No. 348 in Implement Sheds.

Stand No. 402.—*Crowley and Co., of Meadow Hall Works, Sheffield.*

For particulars of entry see Stand No. 347 in Implement Sheds.

Stand No. 403.—*George H. Innes, of Market Hill, Royston, Hertford.*

For particulars of entry, see Stand No. 363 in Implement Sheds.

Stand No. 404.—*F. W. Turner, of St. Albans Iron Works, St. Albans, Herts.*

For particulars of entry, see Stand No. 349 in Implement Sheds.

Stand No. 405.—*Newall and Ogilvie, of St. Philip's Works, Bristol.*

For particulars of entry, see Stand No. 346 in Implement Sheds.

Stand No. 406.—*Johns Brothers, of Lechlade Foundry, Lechlade, Gloucestershire.*

Article 9137—Improved Hay, Corn, and Straw Stacking Elevator; manufactured by the Exhibitors. Price £37. Improved elevator, simple, durable and efficient; delivers hay, straw, or sheaves to a height of 27 ft. Driven by steam or horse gear.

9138—(*New Implement.*)—Pair of Improved Duck-Footed Zig-Zag Drag Harrows; manufactured by the Exhibitors. Price £4 15s. With 3 beams fitted with handles for lifting out of the ground; the tines are so arranged that they will not lift behind; weight 2½ cwt.

9139—(*New Implement.*)—Pair of Improved Duck-Footed Zig-Zag Drag Harrows; manufactured by the Exhibitors. Price £7. With 4 beams fitted with handles, similar to Article No. 9138; weight 3½ cwt.

9140—Pair of Improved Zig-Zag Drag Harrows; manufactured by the Exhibitors. Price £4 4s. With 3 beams made of fluted iron, and tines gradually lengthened each row to prevent kicking.

9141—(*New Implement.*)—2-Horse Gear, with Intermediate Gear complete; manufactured by the Exhibitors. Price £17 17s.; clutch gear intermediate, 10s. extra. Strong 2-horse gear, fitted on cast-iron bed; intermediate fitted with safety clutch and necessary connections.

9142—1-Horse Gear; manufactured by the Exhibitors. Price £7. Suitable for driving elevators or food-preparing machines.

9143—General Purpose Cart; manufactured by the Exhibitors. Price £15 15s. Fitted with improved tipping gear.

Stand No. 407.—*Nicolas Noël, Constructor, of 60 Rue d'Angoulême, and 112 Avenue Parmentier, Paris, France.*

Article 9144—Universal Pump, for every Usage, complete; manufactured by the Exhibitor. Price £13 15s. (*For Trial.*)

9145—Pump, No. 3, complete; manufactured by the Exhibitor. Price £13 10s. For evacuation of cesspools and sewers. (*For Trial.*)

9146—Pump, No. 2, complete; manufactured by the Exhibitor. Price £10. For liquid manure and watering purposes. (*For Trial.*)

9147—Pump, No. 4, complete; manufactured by the Exhibitor. Price £16. For extinction of fire and emptying of cesspools, &c. (*For Trial.*)

9148—Pump, No. 0, complete; manufactured by the Exhibitor. Price £5 15s. Specially for watering purposes. (*For Trial.*)

9149—Pump, No. 18, with Balancing Wheel, complete; manufactured by the Exhibitor. Price £9. For watering purposes, &c. (*For Trial.*)

9150—Pump, No. 17, with Balancing Wheel, complete; manufactured by the Exhibitor. Price £16. For watering purposes, &c. (*For Trial.*)

9151—Pump, with Cistern, Mounted on Carriage; manufactured by the Exhibitor. Price £10. For watering purposes. (*For Trial.*)

9152—Barrel, on Carriage; manufactured by the Exhibitor. Price £22 10s. For distribution of liquid manures. (*For Trial.*)

9153—Farm Fire Engine; manufactured by the Exhibitor. Price £30 15s. (*For Trial.*)

9154—Pump, with Three Cylinders, working with Steam Power; manufactured by the Exhibitor. Price £50.

Stand No. 408.—*John D. Garrett, of Buckan, near Magdeburg, Germany.*

Article 9155—8-Horse Power Portable Steam Engine; manufactured by the Exhibitor. Price £200. Cylinder 9½ in. diameter; stroke 12 in.; fire-box of Lowmoor iron, 1 ft. 7½ in. by 2 ft. 8½ in.; heating surface, internal,

149 sq. ft.; patent disc axle, forged by hydraulic pressure; efficient feed-water heater and spark extinguisher.

9156—Improved Threshing Machine; manufactured by the Exhibitor. Price £140. Fitted with patent drum, 54 in. long, as below described; is especially designed for Hungary and Russia, after Herr Kovat's last improvements; cannot get blocked up with grass or dirt, and delivers corn ready for market.

9157—Improved Patent Straw Elevator and Stacker; manufactured by the Exhibitor. Price £60. Carries the straw to a height of 24 ft., and angle of delivery can be altered without stopping the work of either elevator or threshing machine; saves 8 to 10 men in working set of steam threshing machinery; also for use in harvest field with horse gear.

9158—Patent Threshing Machine, Drum 54 In. Long; manufactured by the Exhibitor. Price £20. For safety, the discs and not the beaters are weighted, and a uniform speed is maintained throughout the whole threshing machine; the rings, to maintain a balance, are shaped in discs. For further particulars, see Patent No. 2304, May 31, 1876; prolonged to May 31, 1879.

9159—Patent Disc Axle; manufactured by the Exhibitor. Price £1 13s. per pair. These axles for portable engines are light, easily fixed and unfixed, and the engine, from being supported in the centre of the fire-box, works steadily; the axle is forged in one heat by hydraulic pressure.

9160—Model of Patent Steam Spade Cultivator and Farmers' General Purpose Engine; manufactured by the Exhibitor. Price of machine, £750. The digging part of this machine can easily be removed, it is then a simple traction engine for threshing and other purposes. Can also be used as a steam road roller.

Stand No. 409.—*Robert Maynard, of Whittlesford Works, near Cambridge.*

For particulars of entry, see Stand No. 822 in Implement Sheds.

Stand No. 410 — *The Machinery and Hardware Exhibition and Agency (Limited), of 147, Queen Victoria Street, London, E.C.*

For particulars of entry, see Stand No. 821 in Implement Sheds.

Stand No. 411.—*Thomson, Sterne and Co. (Limited), of the Crown Iron Works, Glasgow..*

For particulars of entry, see Stand No. 294 in Implement Sheds.

Stand No. 412.—*Watson and Haig, of the Acre Iron Works, Andover, Hants.*

Article 9161—Combined Stacking Machine; manufactured by the Exhibitors. Price £34. Adapted for all purposes of hay, corn, or straw stacking by horse power; fitted to work with threshing machine, £1 extra; to work at right angles, £1 10s. extra.

9162—Straw Elevator ; manufactured by the Exhibitors. Price £35. Adapted for stacking straw from the thrashing machine, also for stacking hay and corn by horse power. Fitted to work at right angles, £1 10s. extra.

9163—Horse Gear ; manufactured by the Exhibitors. Price £8. Adapted to work the above elevator, also for chaff-cutting, pumping, &c.

9164—Bone Crushing Mill ; manufactured by the Exhibitors. Price £30. Adapted to crush bones of every description, either by horse or steam power. If fitted with revolving circular screen, £4 extra.

Stand No. 413.—*David Hart and Co., of North London Iron Works, Wenlock Road, City Road, London, E.C.*

For particulars of entry, see Stand No. 292 in Implement Sheds.

Stand No. 414.—*The Pulsometer Engineering Co. (Limited), 61 and 63, Queen Victoria Street, London, E.C. Works, Battersea.*

For particulars of entry, see Stand No. 293 in Implement Sheds.

Stand No. 415.—*John and Henry Gwynne, of Hammersmith Iron Works, and 89, Cannon Street, London, E.C.*

For particulars of entry, see Stand No. 279 in Implement Sheds.

Stand No. 416.—*Armitage and Itter, of Britannia Iron Works, Bury, Hunts.*

For particulars of entry, see Stand No. 281 in Implement Sheds.

Stand No. 417.—*Corcoran, Witt, and Co., of Market Buildings, Mark Lane, London, E.C.*

For particulars of entry, see Stand No. 280 in Implement Sheds.

Stand No. 418.—*The Savile Street Foundry Co. (Limited), of Sheffield*

Article 9165—(*New Implement.*)—Hall's Patent Multiple Action Stone Breaker ; manufactured by the Exhibitors. Price £133. Hall's patent multiple action stone breaker, size 12 in. by 7 in. at mouth, mounted on wheels for travelling, with screening apparatus ; will break and separate 40 tons of stone per day. Specially adapted for cubing stone.

9166—(*New Implement.*)—Hall's Combined Multiple Action Breaker and Crushing Rolls; manufactured by the Exhibitors. Price £140. Hall's patent concrete, coprolite, cement, clinker, phosphate, and guano crusher, suitable for hard or soft material; will reduce 20 tons per day. The whole mounted on portable trolley, and with patent cart loader attached. Never exhibited before.

9167—(*New Implement.*)—Hall's Patent Farmers' Bone Mill; manufactured by the Exhibitors. Price £50. Farmers' bone mill and coprolite crusher, with screening apparatus complete; will crush and separate into $\frac{1}{2}$ in. and $\frac{1}{4}$ in. and dust 4 tons raw bones per day. Can be driven by horse or bullock gear, or by 3-horse power engine. Never exhibited before.

9168—(*New Implement.*)—Hall's Patent Bone Dust Mill; manufactured by the Exhibitors. Price £25. Hall's patent bone dust mill will crush 1 in. bones into powder or bone meal at the rate of one ton per hour. Is simple and strong and can be driven by a 6-horse power engine.

9169—Baker's Patent Rotary Pump; manufactured by the Exhibitors. Price £30. Baker's patent rotary pump c size; will lift 7,200 gallons per hour. Suitable for irrigation purposes, supplying water to tanks, &c.

9170—Baker's Combined Patent Rotary Blower and Engine; manufactured by the Exhibitors. Price £198. Baker's patent rotary pressure blower and exhaustor for ventilating and exhausting foul and noxious vapours, producing a forced blast; for elevating light materials, transmitting messages, &c.

9171—8-Horse Power Portable Engine, Complete; manufactured by Davy, Paxman, & Co., of Colchester. Price £210. Mounted on wrought-iron wheels; patent water heater, improved quick speed governor, steam jacketed cylinder, &c.

9172—8-Horse Power Portable Engine, Complete; manufactured by the Exhibitors. Price £210. Mounted on travelling wheels; governors, specially adapted for driving stone breakers, bone mills, thrashing machines, &c.

9173—Disqualified—Informal entry.

9174—Assortment of Steel Castings; manufactured by the Exhibitors. Price from £25 to £30 per ton. An assortment of best crucible steel castings for agricultural and other machines, possessing great strength and lightness.

Stand No. 419.—*Oldham and Booth, of Trippett, Kingston-upon-Hull, Yorkshire.*

Article 9175—6-Horse Power Double-Roller Bone Mill; manufactured by the Exhibitors. Price £200. Has 2 pairs of toothed rollers and a cylinder riddle for separating the $\frac{1}{2}$ -in. and $\frac{1}{4}$ -in. bones from the dust.

9176—4-Horse Power Single-Roller Bone Mill; manufactured by the Exhibitors. Price £65. Has one pair of toothed rollers and a cylinder riddle, made for the purpose of farmers and others who wish to grind a small quantity of bones for their own use.

9177—6-Horse Power Portable Steam Engine; manufactured by Robey and Co., of Lincoln. Price £180. Complete in all respects.

Stand No. 420.—*Geo. E. Sherwin, of Geach Street Works, Birmingham.*

Article 9178—Sherwin's Patent Bone Mill, Size 4 A; manufactured by the Exhibitor. Price £110. Arranged for crushing whole bones to $\frac{3}{4}$ in., $\frac{1}{2}$ in., and meal.

9179—Sherwin's Crushing and Grinding Machine, Size 3 A; manufactured by the Exhibitor. Price £65. Specially arranged for grinding bark and other fibrous substances.

9180—Sherwin's Patent Crushing and Grinding Machine, Size 3 A; manufactured by the Exhibitor. Price £65. Specially arranged for pulverizing limestone, &c.

9181—Sherwin's Patent Crushing and Grinding Machine, Size 2 A; manufactured by the Exhibitor. Price £40. Specially arranged for grinding to an impalpable powder.

9182—Sherwin's Patent Bone Mill, Size 1 A; manufactured by the Exhibitor. Price £20. Specially arranged for farmers' use.

9183—Bagnall's 6-Horse Power Challenge Engine and Boiler Combined; manufactured by W. G. Bagnall, of Stafford. Price £115. Arranged for driving Sherwin's patent crushing and grinding machines.

Stand No. 421.—*R. Waygood and Co., of Falmouth Road, Great Dover Street, London, S.E.*

Article 9184—Steam Power Flour Mill, 30 In. Diameter Stones; manufactured by the Exhibitors. Price £46. This mill will be on cast-iron frame, and with best London made French burr stones.

9185—2½-Horse Combined Vertical Engine and Boiler; manufactured by the Exhibitors. Price £60 complete; without chimney or lagging, £55. This engine and boiler takes up very little room, and is complete with fly-wheel, governors, &c.

9186—1½-Horse Vertical Engine and Boiler; manufactured by the Exhibitors. Price £45.

9187—8-Horse Horizontal High Pressure Steam Engine; manufactured by the Exhibitors. Price £80; if with feed pump, £5 extra.

9188—5-Horse Power Horizontal Trunk Engine; manufactured by the Exhibitors. Price £45.

9189—4-Horse Trunk Engine, with Disk; manufactured by the Exhibitors. Price £40.

9190—Hand-Power Flour Mill, with Dressing Apparatus and 16 in. stones; manufactured by the Exhibitors. Price £16.

9191—Steam-Power Passenger or Goods Lift; manufactured by the Exhibitors. Price £120, without engine.

Stand No. 422.—*J. W. Throop, of 5, Aldersgate Street, London, E.C.*

Article 9192—(*New Implement.*)—Throop's Conical Wheat Brush Machine, No. 0; manufactured by the Exhibitor. Price £90. In this machine the brush is conical and adjustable while running to suit any class of wheat, and by compensating rings at bottom of cone to decrease its size, the entire brush can be worn out, a feature new to this class of machine.

9193—(*New Implement.*)—All Iron Frame Brush Machine, Throop's Patent (No. 1 Size); manufactured by the Exhibitor. Price £75. This machine is built altogether of iron, designed as fire proof, and has one large aspirator to act on the wheat after it leaves the brushes.

9194—Throop's Patent Combined Smutter, Aspirator, and Separator, Complete, Long Scourer, Size 2; manufactured by the Exhibitor. Price £55. As a combined machine for smaller mills, performing the entire cleaning when desired.

9195—(*New Implement.*)—Whitmore's Blast Middlings Purifier; manufactured by the Exhibitor. Price £190. Under Whitmore's patents, which are solely licensed to J. W. Throop.

9196—Kurth's Cockle Separator, No. 1 Size (J. W. Throop, sole agent); manufactured by the Milwaukee Cockle Separator Co., of Milwaukee, Wis., U. S. A. Price £75. For removing cockle and round seeds from wheat; this machine has great capacity, 6 to 10 quarters per hour.

9197—(*New Implement.*)—Richmond's Separator, Oat and Seed Extractor, No. 2 Size; (J. W. Throop, sole agent); manufactured by Richmond & Co., of Lockport, Wis., U. S. A. Price £50. Capacity of this machine, 75 to 100 bushels per hour, but made in different capacities up to 200 bushels per hour.

9198—(*New Implement.*)—Gray's Patent Noiseless Belt Roller Mill, Porcelain Rolls; manufactured by the Exhibitor. Price £100. This machine is of great capacity, runs noiseless, and subject to less wear and tear than general machines used for the same purpose of softening middlings, or for regrounding bran.

9199—(*New Implement.*)—Noiseless Chilled Iron Roller Mill, Gray's Design and Patent; manufactured by the Exhibitor. Price £100. Features as noted in previous machine, except that rolls are of chilled cast-iron instead of porcelain.

9200—(*New Implement.*)—Bran Aspirator; manufactured by the Exhibitor. Price £20. To aspirate bran before rolling after high grinding.

9201—4-Ft. 6-in. Mill Curb and Silent Feeder, Glass Globe (J. W. Throop, sole agent); manufactured by E. P. Allis & Co., of Milwaukee, Wis., U. S. A. Price £12. Pure mill curb and silent feeder.

9202—(*New Implement.*)—Champion Mill Stone Driver; manufactured by the Exhibitor. Price £12. In this millstone driver the point of oscillation is upon a line with point of suspension, securing a steady drive.

9203—(*New Implement.*)—Victor Wheat Heater; manufactured by the Exhibitor. Price £12. Capacity, 5 to 7 bushels per hour; to be placed over millstone for heating grain before grinding.

Stand No. 423.—*James Harrison Carter, of 82, Mark Lane, London, E.C., and 14, Brunswick Street, Liverpool.*

Article 9204—Carter's Patent Disintegrator, No. 1, with Automatic Feed; manufactured by the Exhibitor. Price £40. For universal grinding and crushing purposes.

9205—Carter's Patent Disintegrator, No. 2, with Bonnet Feed; manufactured by the Exhibitor. Price £45. For universal grinding and crushing purposes.

9206—Carter's Patent Disintegrator, No. 3; manufactured by the Exhibitor. Price £75. For universal grinding and crushing in large quantities.

9207—Carter's Patent Disintegrator, No. 4; manufactured by the Exhibitor. Price £125. For universal grinding and crushing in large quantities.

9208—Carter's Patent Disintegrator, No. 2 A, with Trough Feed; manufactured by the Exhibitor. Price £45. At work grinding a large variety of materials.

9209—(*New Implement.*)—Carter's British Chilled Iron Roller Mill, Double Feed; manufactured by the Exhibitor. Price £70. For crushing semolina and middlings.

9210—(*New Implement.*)—Carter's British Chilled Iron Roller Mill, Single Feed; manufactured by the Exhibitor. Price £70. For crushing wheat, semolina, and middlings.

9211—(*New Implement.*)—Carter's Improved Centrifugal Dressing Machine; manufactured by the Exhibitor. Price £70. For dressing meal or crushed middlings, and dusting uncrushed middlings.

9212—(*New Implement.*)—Carter's Middlings Purifier; manufactured by the Exhibitor. Price £70.

9213—Middlings Grinding Mill with French Burr Millstones, 20 In. Diameter; manufactured by the Exhibitor. Price £36. Stones turned true on face.

9214—(*New Implement.*)—Carter's Improved Link Elevator, Registered; manufactured by the Exhibitor. Price £9 10s. Made in various sizes for elevating grain, meal, manures, &c.; &c.

9215—(*New Implement.*)—Carter's Improved Link Grain, Flour, and Manure Conveyor, Registered; manufactured by the Exhibitor. Price £5.

9216—Munden's Conical Bran Dusting Machine, No. 4, with Revolving Cylinder; manufactured by Munden, Armfield, & Co., of Ringwood, Hants, for the Exhibitor, sole agent. Price £50.

9217—Carter's Adjustable Flour Feeder; manufactured by the Exhibitor. Price £6.

9218—(*New Implement.*)—Gratiet's Patent Wheat Heater; manufactured by Gratiet Brothers, of Platteville, Wisconsin. Price £17 10s. For softening hard wheat previous to grinding.

9219—(*New Implement.*)—Case of "Investigator" Hand Sieves, Registered; manufactured by the Exhibitor. Price £1 1s. packed.

9220—Case of "Investigator" Scales; manufactured by the Exhibitor. Price £2 5s. each.

9221—Case of Ohondrometers; manufactured by the Exhibitor. Price £3, half-pint.

9222—Case of Brazilian Horn Flour Palate Knives; manufactured by the Exhibitor. Price 2s. 6d. and upwards.

9223—Corundum Millstone Furrowing Machine; manufactured by the Three Rivers Manufacturing Co., of Three Rivers, Michigan, for the Exhibitor, their sole agent in Europe. Price £50.

9224—Pair of French Burr Millstones, Diamond Turned and Furrowed; 4 Ft. Diameter; manufactured by Bailly & Co., of La Ferté sous Jouarre, for the Exhibitor, their sole agent in Great Britain. Price £34 13s. 6d., including diamond turning and furrowing complete. Ready for work with new style dress.

9225—Pair of 4-Ft. French Burr Millstones, Diamond Turned; manufactured by Bailly & Co., for the Exhibitor, their sole agent in Great Britain. Price £33 15s., including diamond turning. Built of small selected burrs, as used on the Continent.

9226—Millstone 4-Ft. Diameter, not Backed, Diamond Turned; manufactured by Bailly & Co., for the Exhibitor, their sole agent in Great Britain. Price £12 10s. without backing.

9227—Pair of French Burr Millstones, Diamond Turned, 4 Ft. 4 In. Diameter; manufactured by Bailly & Co., for the Exhibitor, their sole agent in Great Britain. Price £38 10s. including diamond turning.

9228—Portable Steam Engine, 8-Horse Power, with Hartnell's Patent Automatic Variable Expansion Governor; manufactured by E. R. & F. Turner, of Ipswich. Price £220. Including steam gauge, whistle, waterproof cover, firing tools, spanners, oil-can, skid, filling funnel, extra gauge glass, second safety valve.

Stand No. 424.—*William R. Dell and Son,* *of 26, Mark Lane, London, E.C.*

Article 9229—6-Horse Power Vertical Steam Engine and Boiler on 4 Travelling Wheels; manufactured by E. S. Hindley, of Bourton, Dorset. Price £128.

9230—Pair of 4-Ft. 6-In. French Burr Millstones; manufactured by the Exhibitors. Price £45. Built specially for grinding cement.

9231—Pair of 4-Ft. 6-In. French Burr Millstones; manufactured by the Exhibitors. Price £45. Suitable for grinding coprolites and phosphates.

9232—Pair of 4-Ft. French Burr Millstones, Finest Brown Burr Face Engine Turned; manufactured by the Exhibitors. Price £36.

9233—Pair of 4-Ft. French Burr Millstones, Finest Violet Burr, Face Engine Turned; manufactured by the Exhibitors. Price £37.

9234—Pair of 4-Ft. French Burr Millstones, Yellow Nutmeg Burr Face, Engine Turned; manufactured by the Exhibitors. Price £36.

9235—Pair of 4-Ft. French Burr Millstones, Brown Burr, Close Grain. Price £26.

9236—Pair of 4-Ft. French Burr Millstones, Brown Nutmeg Burr; manufactured by the Exhibitors. Price £25.

9237—Pair of 4-Ft. French Burr Millstones, Built on Edge, Pea-Blue, Engine Turned; manufactured by the Exhibitors. Price £33.

9238—Pair of 30-In. French Burr Millstones, with Dress Laid in, Engine Turned; manufactured by the Exhibitors. Price £12 10s. Suitable for grinding middlings.

9239—Double Agricultural Mill, Fitted with Two Pairs of 3-Ft. 6-In. French Burr Millstones; manufactured by the Exhibitors. Price £140.

9240—Single Agricultural Mill, Fitted with Pair of 3-Ft. French Burr Millstones; manufactured by the Exhibitors. Price £60.

9241—Barnard and Leas Patent "Duplex" Wheat Grader; manufactured by the Barnard and Leas Manufacturing Company, of Moline, Illinois, U. S. A. Price £68.

9242—Patent "Victor" Double-Brush Machine Wheat Polisher and Scourer; manufactured by the Barnard and Leas Manufacturing Company. Price £75.

9243—Patent "Victor" Smut Machine and Separator; manufactured by the Barnard and Leas Manufacturing Company. Price £40.

9244—Barnard and Leas Patent Oat and Weed Extractor and Dustless Separator; manufactured by the Barnard and Leas Manufacturing Company. Price £40.

9245—Barnard and Leas Dustless Screenings Separator; manufactured by the Barnard and Leas Manufacturing Company. Price £40.

9246—Barnard and Leas Patent Dustless Warehouse Separator; manufactured by the Barnard and Leas Manufacturing Company. Price £55.

9247—Automatic and Self-Registering Weighing Machine (Munnem and Reiser's Patent); manufactured for the Exhibitors. Price £50.

9248—Dell's "Economic" Middlings Purifier, No. 3; manufactured by the Exhibitors. Price £85.

9249—Dell's "Economic" Middlings Purifier, No. 2; manufactured by the Exhibitors. Price £75.

9250—Improved Middlings Purifier for Small Mills; manufactured by the Exhibitors. Price £35.

9251—Dell's "Victor" Middlings Purifier; manufactured by the Exhibitors. Price £85.

9252—Dell's "Victor" Silk Flour Dressing Machine; manufactured by the Exhibitors. Price £55.

9253—Improved Centrifugal Silk Flour Dressing Machine; manufactured by the Exhibitors. Price £45.

9254—Improved Centrifugal Machine for Dusting Middlings; manufactured by the Exhibitors. Price £30.

9255—Patent "Victor" Roller Mill, with Improved Chilled Iron Rollers; manufactured by the Exhibitors. Price £125.

9256—Improved Offal Divider; manufactured by the Exhibitors. Price £18.

9257—Chambers' Patent "Reliance" Wheat Cleaner; manufactured by the Exhibitors. Price £150.

9258—Dell's "Economic" Smut Machine, No. 1; manufactured by the Exhibitors. Price £31.

9259—Dell's "Eclipse" Smut Machine; manufactured by the Exhibitors. Price £20.

9260—"Unique" Smut Machine; manufactured by the Exhibitors. Price £12 12s.

9261—Little Giant Millstone Feeder, Wheat Cleaner, and Polisher (Broucher's Patent); manufactured by the Exhibitors. Price £15.

9262—Barnard and Leas Patent Moline Cockle Separator; manufactured by the Barnard and Lea's Manufacturing Company, of Moline, Illinois, U.S.A. Price £70.

9263—Duplex Cockle Separator; manufactured for the Exhibitors. Price £12 12s.

9264—Baker's Patent Millstone Feeder; manufactured by E. T. Baker, of Newark-on-Trent. Price £2 10s.

9265—Baker's Patent Cups and Balls, for Hanging Millstones; manufactured by E. T. Baker. Price £1.

9266—Economic Flour-Feeder and Mixer; manufactured for the Exhibitors. Price £5.

9267—Wheat Sampling Stick; manufactured for the Exhibitors. Price £1.

9268—Millstone Speed Indicator; manufactured for the Exhibitors. Price £7 10s.

9269—Millstone Speed Indicator, Small Size; manufactured for the Exhibitors. Price £8 8s.

9270—Cargo Sampler, for Taking Sample from Cargo of Grain; manufactured for the Exhibitors. Price £1 10s.

9271—Flour Sampler, for Sampling Barrel Flour; manufactured for the Exhibitors. Price 4s. 6d. and 7s. 6d. each.

9272—Chondrometer, for Ascertaining the Weight of Wheat per Bushel; manufactured for the Exhibitors. Price £5 5s.

9273—Pair of Sack Trucks; manufactured by the Exhibitors. Price 18s. and £1 1s. each.

9274—Whittingham's Patent Millstone Dressing Machine; manufactured by Whittingham, of Nantwich. Price £25.

9275—Case of Diamond Silver Steel Mill Chisels; manufactured by the Exhibitors. Price 1s. 4d. per lb.

9276—Improved Sacking Apparatus, for Sacking Flour; manufactured by the Exhibitors. Price £6.

9277—Case of Needle Lubricators; manufactured for the Exhibitors. Price 1s. to 12s. each.

9278—Grindstone, 42 In. Diameter; manufactured for the Exhibitors. Price £27.

9279—Set of Corn Measures; manufactured for the Exhibitors. Price £3 9s.

9280—Package of Sorel Patent Cement for Millstones; manufactured by Mr. Carbutt, of London. Price £2 10s. per case.

9281—Case of Mill Bands; manufactured for the Exhibitors. Price 6d. to 5s. per foot.

9282—Case of Elevator Webbing; manufactured for the Exhibitors. Price 1d. per foot per inch wide.

9283—Corn Weighing Machine; manufactured for the Exhibitors. Price £5.

9284—Case of Corn, Malt, and Meal Shovels; manufactured for the Exhibitors. Price 2s. 6d. to 5s. 6d. each.

9285—Case of Belt-Fasteners; manufactured for the Exhibitors. Price 2s. to 5s. per dozen.

9286—Case of Helvetia Laces, for Driving Straps; manufactured for the Exhibitors. Price 2s. to 6s. 6d. per dozen.

9287—Case of Gauge Glasses, for Steam Engines; manufactured for the Exhibitors. Price 3s. to 9s. per dozen.

9288—Case of Engine-Tube Brushes; manufactured by the Exhibitors. Price 1s. 9d. to 3s. 6d. each.

9289—Case of Spirit Levels; manufactured for the Exhibitors. Price 6d. to 15s. each.

9290—Case of Pulley Blocks; manufactured for the Exhibitors. Price £1 5s. to £1 15s. per pair.

9291—Metal Prover, in Case, Complete; manufactured by the Exhibitors. Price £3 10s.

9292—Mahogany Proof Staff for Millstone Face; manufactured by the Exhibitors. Price £1 10s.

9293—Sample of Worm, Corn, and Meal Conveyors; manufactured by the Exhibitors. Price 5s. to 12s. 6d. per foot.

9294—Aleurometer, or Gluten Tester; manufactured for the Exhibitors. Price £3.

9295—Set of Corn Sieves; manufactured by the Exhibitors. Price 4s. 6d. each.

9296—Set of Improved Semolina and Flour-Testing Sieves; manufactured by the Exhibitors. Price 17s. 6d. per set.

9297—Case of Strap Screws, for Mill Belts; manufactured by the Exhibitors. Price 2s. to 4s. 6d. per dozen.

9298—Dell's Economic Wheat-Damping Worm, with Brackets; manufactured by the Exhibitors. Price £6 10s.

9299—Case of Sponge Cloths; manufactured for the Exhibitors. Price £1 5s. per gross.

9300—Samples of Mackie's Patent Spring Pulleys; manufactured for the Exhibitors. Price 13s. to £5 each.

9301—Roll of Extra Strong Kiln Wire; manufactured for the Exhibitors. Price 1s. 3d. per square foot.

9302—Roll of Extra Strong Smutter Wire; manufactured for the Exhibitors. Price 2s. per square foot.

9303—Case of Samples of Machine Brushes; manufactured by the Exhibitors. Price 1s. 6d. to 3s. 3d. per foot.

9304—Black's Patent Safety Apparatus, for Boilers; manufactured for the Exhibitors. Price £7 10s.

9305—Wheels, with India-Rubber Tyres, for Sack Trucks; manufactured for the Exhibitors. Price 12s. 6d. per pair.

9306—Case of Samples of Various Furnishings, for Corn and Flour Mills; manufactured for the Exhibitors.

Stand No. 425.—*Messrs. T. Ashley and Sons, of Aswell Iron Works, Louth, Lincolnshire.*

Article 9307—Centrifugal Combined Flour Dresser; manufactured by the Exhibitors. Price £45, as a dresser only. First takes out the bran, cleans and separates it, dresses the flour, and purifies the middlings.

9308—Centrifugal Flour Dresser; manufactured by the Exhibitors. Price £30.

9309—Improved Centrifugal Machine; manufactured by the Exhibitors. Price £70. For purifying flour and separating offals.

9310—Improved Smutter, Corn Cleaner, and Separator; manufactured by the Exhibitors. Price £40.

9311—Improved Smutter, Corn Cleaner, and Separator; manufactured by the Exhibitors. Price £25.

9312—Set of Four Corn Lifters; manufactured by the Exhibitors. Price £1 5s. For raising laid corn; can be fitted to any reaping machine.

9313—Disqualified—Informal entry.

Stand No. 426.—*W. Houghton and Co., of the Victoria Mills, Grimsby, Lincolnshire.*

Article 9314—"Victoria" Double Aspirator, Separator, and Smutter, No. 3 Size; manufactured by T. Ashley and Sons, of Aswell Iron-works, Louth. Price £65. For cleaning all kinds of grain.

9315—"Victoria" Middlings Duster and Purifier, No. 2 Size; manufactured by T. Ashley & Sons. Price £90. For dusting and purifying middlings at one operation.

9316—Centrifugal Flour Dressing Machine, No. 1 Size; manufactured by E. Hall, of Grimsby, for the Exhibitors. Price £55. For dressing wheat meal, middlings, sharps, &c.

9317—Centrifugal Flour Dressing Machine, No. 2 Size; manufactured by E. Hall. Price £75. For dressing wheat meal, middlings, sharps, &c.

9318—Centrifugal Flour Dressing Machine, No. 3 Size; manufactured by E. Hall. Price £95. For dressing wheat meal, middlings, sharps, &c.

9319—Vertical Engine, 1½-Horse Power; manufactured by E. S. Hindley, of Bourton, Dorset. (*Not for Sale.*) (*See Machines in Motion.*)

Stand No. 427.—*Hind and Lund, of the Atlas Works, Preston.*

Article 9320—(*New Implement.*)—Improved Centrifugal Flour Dressing Machine; manufactured by the Exhibitors. Price £75. For dressing wheaten meal, dusting middlings, dressing ground middlings, whether reduced by rollers or millstones.

9321—Flour Feeder or Mixer; manufactured by the Exhibitors. Price £5 5s.

9322—Millstone Bush; manufactured by the Exhibitors. Price £5.

9323—One Length of Various Sizes of Wrought-Iron Worming; manufactured by the Exhibitors. Price per foot according to size.

9324—Set of Rolls for Reducing Middlings; manufactured by the Exhibitors. Price £100.

9325—Set of Oat Crushers and Bean Splitters; manufactured by the Exhibitors. Price £28.

9326—Number of Small Miscellaneous Articles used in Flour Mills; manufactured by the Exhibitors. The above consist of samples of strapping, elevator buckets, elevator bolts, lubricators, strap fasteners, laces, silks, &c.

Stand No. 428.—*John Fiechter and Sons, of Liverpool.*

9327—(*New Implement.*)—Patent Centrifugal Middlings Purifier, "The Helvetia," manufactured for the Exhibitors. Price £48 and £58. Purifies all sizes of middlings and semolina; capacity, 800 to 1000 lbs. per hour; motive power, ½-horse-power; machine fire-proof.

9328—(*New Implement.*)—"The Regina" Universal Middlings Purifier; manufactured by A. Millot, of Zurich, Leviseraur. Price £45 nett

cash. Specially adapted for coarse middlings; capacity, 800 to 1000 lbs. per hour; motive power, $\frac{1}{2}$ -horse-power.

9329—(*New Implement.*)—Patent Apparatus for Purifying Middlings; manufactured for the Exhibitors. Price £20 nett. Adopted in connection with the silk-machine; capacity, 300 lbs. per hour; motive power, $\frac{1}{2}$ -horse power.

9330—(*New Implement.*)—Chilled Iron Roller Mill for Reducing Middlings; manufactured for the Exhibitors. Price £60 nett. This machine is of a patent construction. Fuller particulars in July.

9331—(*New Implement.*)—Grooved Chilled Iron Roller Mill for Crushing Wheat, &c.; manufactured for the Exhibitors. Price £70 nett. This machine is of a patent construction. Full particulars at Show.

9332—(*New Implement.*)—Grain Separator and Garlic Extracting Machine; manufactured by A. Millot, of Zurich, Switzerland. Price £55 nett. Motive power, $\frac{1}{2}$ -horse power; capacity, over 2,500 lbs. per hour; solid construction.

9333—Bran Dusting and Brushing Machine; manufactured by A. Millot. Price £38 nett. Capacity, 600 to 800 lbs. per hour; motive power $\frac{1}{2}$ -horse power.

9334—(*New Implement.*)—Scourer; manufactured by A. Millot. Price £28 nett. Capacity, dissolving productions of four roller mills.

9335—Wire Brush Machine for Wheat; manufactured by A. Millot. Price £28 nett. Capacity, over 1,200 lbs. per hour.

9336—The L Cockle Separator; manufactured by A. Millot. Price £12 10s. to £85. Capacity, from 1,600 to 2,000 lbs. per hour.

9337—Diamond Stone-Dressing Machine; manufactured by A. Millot. Price £40 nett. The best machine as yet known for dressing stones by means of a revolving diamond.

9338—(*New Implement.*)—Hand-Bill Stone Dressing Machine; manufactured by A. Millot. Price £7. Simple and effective machine; easily worked.

9339—(*New Implement.*)—Centrifugal Flour Dressing Machine; manufactured by A. Millot. Price £60. Capacity, enormous; solid construction.

9340—Collection of Swiss Silk Gauzes; manufactured by T. Fiechter-Langmesser, of Basle, Switzerland. Price 4s. up to 18s. per yard. Standard quality, double extras and quadruple extras; the latter two qualities necessary for any short centrifugal silk reel. Orders executed on the shortest notice.

9341 to 9346—Collection of All Sorts of Milling Requisites manufactured by A. Millot, of Zurich, Switzerland. Price: flour packers, £1 5s and £1 10s.; stone balances, from £1 5s.; mill-speed indicator, £7; sack-keys from 2s. to 10s. 6d., with or without straps; hog-skin elevator buckets, from 2½d. to 10d. per piece.

Stand No. 429.—*Frederic Nell, of 11, Queen Victoria Street, London, E.C.*

Article 9347—Disintegrating Middlings Purifier, with Reel; manufactured by Huntley & Co., of the United States. Price £105.

9348—Smut and Separating Machine; manufactured by Nagle & Co., of the United States. Price £40.

9349—Patent Improved Kiln or Heater; manufactured by Gratiot Brothers, of the United States. Price £20.

9350—Bran or Middlings Duster; manufactured by Huntley & Co., of the United States. Price £60.

9351—Chilled Iron Roller Mill; manufactured by Taylor & Farley, of West Bromwich. Price £70.

9352—Improved Damper for Economising Steam and Fuel; manufactured by A. J. Buttler, of the United States. Price £50.

9353—Grain Separator and Oat Extractor; manufactured by William Richmond, of the United States. Price £50.

9354—Combined Beater and Adjustable Brush Smut Machine; manufactured by W. Richmond. Price £80.

Stand No. 430.—*Charles Hopkinson, of the Beehive Works, Retford, Notts.*

Article 9355—(*New Implement.*)—Patent 3-Sheet Air Distributing Silk Reel; manufactured by the Exhibitor. Price £40.

9356—(*New Implement.*)—Patent 8-Valve Blast and Exhaust Sieve Middlings Purifier, Silked Complete; manufactured by the Exhibitor. Price £80.

9357—(*New Implement.*)—Improved 3-Ft. Iron Frame Portable Mill, Fitted up with 3-Ft. French Stones, Specially Adapted for Grinding Middlings, General Agricultural Work, and Export; manufactured by the Exhibitors. Price £50.

9358—(*New Implement.*)—5-Sheet Patent Conical Revolving Cylinder Offal Separator and Duster; manufactured by the Exhibitor. Price £25.

9359—(*New Implement.*)—4-Ft. French Burr Millstone; manufactured by the Exhibitor. Price £12.

9360—(*New Implement.*)—Improved Iron Millstone Crane; manufactured by the Exhibitor. Price £6 10s.

9361—(*New Implement.*)—Set of Large Elevators and 14-In. Pulleys, with Iron Sides; manufactured by the Exhibitor. Price £4 10s.

9362—(*New Implement.*)—Set of Elevators and 8-In. Pulleys, with Iron Sides; manufactured by the Exhibitor. Price £3 10s.

9363—(*New Implement.*)—Dredger or Mixer; manufactured by the Exhibitor. Price £5.

9364—Portable Vertical Engine and Boiler Combined; manufactured by Nicholson & Son, of Newark. Price £87 10s.

9365—Working Model of Silk Floss Dressing Machine; manufactured by the Exhibitor. (*Not for Sale.*)

Stand No. 431.—*A. H. Bateman and Co., of East Greenwich, London, S.E.*

Article 9366—"Climax" Emery Grinder, No. 1; manufactured by the Exhibitors. Price £4 4s.

9367—"Climax" Emery Grinder, No. 2; manufactured by the Exhibitors. Price £6 6s.

9368—"Climax" Emery Grinder, No. 3; manufactured by the Exhibitors. Price £15 15s.

9369—"Climax" Emery Grinder, No. 4; manufactured by the Exhibitors. Price £21.

9370—"Excelsior" Emery Grinder; manufactured by the Exhibitors. Price £15 15s.

9371—"Excelsior" Emery Grinder, with Countershaft; manufactured by the Exhibitors. Price £18 18s.

9372—"Simplex" Emery Grinder; manufactured by the Exhibitors. Price £3 3s.

9373—"Speedwell" Emery Grinder; manufactured by the Exhibitors. Price £5 5s.; with stand, £7 7s.

9374—"Acme" Emery Grinder; manufactured by the Exhibitors. Price £1 15s.

9375—"Horizontal" Emery Grinder, No. 1; manufactured by the Exhibitors. Price £7 7s.

9376—"Horizontal" Emery Grinder, No. 2; manufactured by the Exhibitors. Price £5 5s.

9377—Saw-Sharpening Machine; manufactured for the Exhibitors. Price £25.

9378—Emery Wheel Tool Grinder, No. 1; manufactured by the Exhibitors. Price £18.

9379—Tool Grinder, No. 2; manufactured by the Exhibitors. Price £21.

9380—Tool Grinder, No. 3; manufactured by the Exhibitors. Price £52 10s.

9381—"Multiplex" Grinder; manufactured by the Exhibitors. Price £21.

9382—Twist Drill Grinder, No. 1; manufactured for the Exhibitors. Price £2 2s.

9383—Twist Drill Grinder, No. 2; manufactured for the Exhibitors. Price £7 10s.

9384—Long Knife Sharpener; manufactured for the Exhibitors. Price £20.

9385—Planing and Surfacing Machine; manufactured by the Exhibitors. Price £25.

9386—Wheel-Tooth Cleaning Machine; manufactured for the Exhibitors. Price £40.

9387—Lathe Centre Grinder; manufactured for the Exhibitors. Price £3 3s.

9388—Hand-Power Emery Grinder; manufactured by the Exhibitors. Price £8 8s.

9389—Reaper Knife Sharpener; manufactured for the Exhibitors. Price £3 3s.

9390—"Dexter" Grinder; manufactured for the Exhibitors. Price £2.

9391—"Ubique" Grinder; manufactured by the Exhibitors. Price £7 10s. and upwards.

9392—Emery Screw Cutting Machine; manufactured by the Exhibitors. Price £5 and upwards.

9393—Selection of Ransomes' Patent Emery Wheels; manufactured by the Exhibitors. Price 1s. each and upwards, according to size.

9394—Selection of Engine and Machine Counters; manufactured for the Exhibitors. Price £1 10s. to £6 6s.

9395—Speed Indicator; manufactured for the Exhibitors. Price £6 6s.

9396—Curve Meter (Dale's Patent); manufactured by the Exhibitors. Price £3 3s. and upwards.

9397—Selection of Patent Adjustable Hangers for Shafting; manufactured by the Exhibitors. Price from £1 5s. per set.

9398—Selection of Rolled Shafting; manufactured by the Kirkstall Forge Co., of Leeds. Price £12 10s. per ton.

9399—Selection of Wrought-Iron Furnace Bars; manufactured by G. Hopewell & Co., of Exeter. Price 1s. 2d. per bar.

9400—Selection of Smith's Patent Sentinel Safety Valves and Lock-up Safety Valves; manufactured by the Exhibitors. Price £1 10s. to £20.

9401—Selection of Smith's Patent Fusible Plugs; manufactured by the Exhibitors. Price 7s. 6d. to £1 4s.

9402—Selection of Smith's Patent Double-Chambered Water-Gauges; manufactured by the Exhibitors. Prices £1 5s. to £5.

9403—Selection of Ejectors; manufactured for the Exhibitors. Price £2 to £10.

9404—Hawes' Patent Steam Trap; manufactured for the Exhibitors. Price £2.

9405—Selection of Injectors; manufactured for the Exhibitors. Price £2 and upwards.

9406—Selection of Cyclops Patent Forges; manufactured by the Exhibitors. Price £4 10s. to £7.

9407—Selection of Blowing Fans; manufactured by the Exhibitors. Prices £1 10s. to £10.

9408—Selection of Exhaust Fans; manufactured by the Exhibitors. Prices £1 10s. to £10.

9409—Chase Screwing Machine; manufactured by the Chase Screwing Machine Company, of the U. S. A. Price £33 10s.

9410—Hall's Patent Sudden Grip Vice; manufactured for the Exhibitors. Price £1 2s. 6d. and upwards.

9411—Riley's Patent Vice; manufactured for the Exhibitors. Price 16s. and £2 10s.

9412—Stow's Patent Flexible Shaft; manufactured by the Stow Flexible Shaft Company, of Philadelphia, U. S. A. Price £3 5s. to £20.

9413—Selection of Metalined Bearings, Requiring no Oil or Grease; manufactured by the Exhibitors as sole London agents for the British and Foreign Metaline Company. Price 5s. and upwards.

9414—Selection of Ransomes' Patent Free Grit Grindstones; manufactured by the Exhibitors. Price 9d. and upwards, according to size.

9415—Mounted Grindstone, in Trough; manufactured by the Exhibitors. Price £2 2s. and upwards.

9416—Brunton's Patent Grindstone Dresser; manufactured for the Exhibitors. Price £5 5s. to £10 10s.

9417—Selection of Ransomes' Patent Ornamental Building Stone; manufactured by the Exhibitors. Price from 5s. per foot run and upwards, according to pattern.

9418—Ransomes' Patent Indurating Solutions for Preservation of Stone and Brick, Prevention of Damp, and Arrest of Decay; manufactured by the Exhibitors. Price 8s. per double gallon.

9419—Selection of Patent Keystone Hydrants; manufactured for the Exhibitors. Price £2 to £15.

9420—Selection of Keystone Valves for Steam or Water, with Chilled Cast-Iron Seats; manufactured for the Exhibitors. Price 15s. to £5.

9421—Smith's Patent Vertical Boiler, 8-Horse Power, with Double Circulating Tubes and Circulating Ball, Special Stags for Extension, &c., made up to 100-Horse Power; manufactured for the Exhibitors by Smith's Patent Boiler Company, of London. Price £85 without mountings; other sizes in proportion. Rapid in steam getting and economical in fuel.

9422—Papier Maché Non-Conducting Composition for Covering Steam Boilers and Pipes, Saving at least 25 per Cent. of Fuel; manufactured for the Exhibitors. Price £6 per ton, or applied at 1s. 3d. per square foot.

9423—Field's Patent Galvanic Boiler Scale Preventor, Suitable for all Boilers and Waters; manufactured by the Exhibitors. Price £15 15s. complete.

9424—Selection of Belt Fasteners; manufactured for the Exhibitors. Price from 2s. 6d. per 100.

Stand No. 432.—*E. and H. Roberts, of Deanshanger Iron Works, Stony Stratford, Bucks.*

Article 9425—(*New Implement.*)—Patent Stacker or Elevator; manufactured by the Exhibitors. Price £40. To deliver 25 ft.; adapted to be drawn by horse or steam power at any angle.

9426—(*New Implement.*)—Patent Stacker or Elevator; manufactured by the Exhibitors. Price £45. To deliver 30 ft., and adapted to be driven by horse or steam power at any angle.

9427—Improved Horse Gear; manufactured by the Exhibitors. Price £8 10s. Specially adapted for driving elevators; mounted on wood frame; wrought-iron axles and wheels to travel behind elevator.

9428—(*New Implement.*)—Improved Rack Saw Bench; manufactured by the Exhibitors. Price £75, not including saw. With 16 ft. tail and 20 ft. head; capable of taking a 6-ft. saw.

9429—Band Saw, or Felloe Bench; manufactured by the Exhibitors. Price £27 10s. With large pulleys, and mounted on wood stand, with iron table and standard; supplied with 2 saws.

9430—(*New Implement.*)—Set of Handle Drag Harrows; manufactured by the Exhibitors. Price £5. With adjustable handles.

9431—General Purpose Plough, Mark *v r*; manufactured by the Exhibitors. Price £5 5s. Fitted with steel breast.

9432—General Purpose Plough, Mark *h*; manufactured by the Exhibitors. Price £4 12s. 6d. Fitted with steel breast.

9433—Double Furrow Plough; manufactured by the Exhibitors. Price £8 10s. Fitted with steel breast.

9434—Improved Mower and Reaper Knife Stand; manufactured by the Exhibitors. Price 18s. 6d.

9435—Mower Knife Stand; manufactured by the Exhibitors. Price 18s. 6d. With vice and box.

Stand No. 433.—*Tangye Brothers and Holman, of 35, Queen Victoria Street, London, E.C.*

Article 9436—20-Horse Power Tangye's Horizontal High Pressure Steam Engine, with Variable Expansion Gear, and Tangye's Patent Governor; manufactured by the Exhibitors. Price £195. Unequalled in design; unsurpassed in workmanship; universally approved of.

9437—10-Horse Power Tangye's Horizontal High Pressure Steam Engine, with Feed Pump, and Tangye's Patent Governor; manufactured by the Exhibitors. Price £111. This engine is similar in design and construction to Article No. 9436.

9438—4-Horse Power Tangye's Horizontal High Pressure Steam Engine and Vertical Cross Tube Boiler, Mounted Together on Cast-Iron Base Plate, with Fittings Complete; manufactured by the Exhibitors. Price £100. This engine is similar in design to Article No. 9436.

9439—3-Horse Power Tangye's Horizontal High Pressure Steam Engine and Vertical Cross Tube Boiler, Mounted Together on Cast-Iron Base, with Fittings Complete; manufactured by the Exhibitors. Price £80. This engine and boiler is similar in design and construction to Article No. 9438.

9440—3-Horse Power Tangye's Horizontal High Pressure Steam Engine, called the "Soho" Engine, with Feed Pump and Tangye's Patent Governor; manufactured by the Exhibitors. Price £27. This engine combines simplicity, great strength, durability, good workmanship, and low price.

9441—4-Horse Power Tangye's Horizontal High Pressure Steam Engine, called the "Soho" Engine, with Feed Pump and Tangye's Patent Governor; manufactured by the Exhibitors. Price £35. This engine is similar in design and construction to Article No. 9440.

9442—6-Horse Power Tangye's Horizontal High Pressure Steam Engine, called the "Soho" Engine, with Feed Pump and Tangye's Patent Governor; manufactured by the Exhibitors. Price £45. This engine is similar in design and construction to Article No. 9440.

9443—10-Horse Power Tangye's Horizontal High Pressure Steam Engine, called the "Soho" Engine, with Feed Pump and Tangye's Patent Governor; manufactured by the Exhibitors. Price £70. This engine is similar in design and construction to Article 9440.

9444—14-Horse Power Tangye's Horizontal High Pressure Steam Engine, called the "Soho" Engine, with Feed Pump and Tangye's Patent Governor; manufactured by the Exhibitors. Price £100. This engine is similar in design and construction to Article No. 9440.

9445—4-Horse Power Tangye's Vertical Steam Engine, with Feed Pump and Tangye's Patent Governor; manufactured by the Exhibitors. Price £36 10s. New and beautiful design; very compact, simple, substantial, superior workmanship, and low price.

9446—6-Horse Power Tangye's Vertical Steam Engine, with Feed Pump and Tangye's Patent Governor; manufactured by the Exhibitors. Price £48. This engine is similar in design and construction to Article No. 9445.

9447—10-Horse Power Tangye's Vertical Steam Engine, with Feed Pump and Tangye's Patent Governor; manufactured by the Exhibitors. Price £74. This engine is similar in design and construction to Article No. 9445.

9448—2-Horse Power Tangye's Vertical Steam Engine and Vertical Cross Tube Boiler, Mounted Together on Cast-Iron Base Plate, with Wheels and Fittings Complete; manufactured by the Exhibitors. Price £57 10s. New and handsome design; compact, simple, substantial, superior workmanship, and low price.

9449—3-Horse Power Tangye's Vertical Steam Engine and Vertical Cross Tube Boiler, Mounted Together on Cast-Iron Base Plate, with Wheels and Fittings Complete; manufactured by the Exhibitors. Price £75. This engine and boiler is similar in design and construction to Article No. 9448.

9450—Tangye's Vertical Double Cylinder Screw Engine, with Cylinders 8-In. Diameter, and 9-In. Stroke, Fitted with Link Motion Reversing Gear; manufactured by the Exhibitors. Price £120. Neat design, first class workmanship, and low price.

9451—4-In. Improved Three-Cylinder Steam Engine (Willan's Patent); manufactured by the Exhibitors. Price £35. Admirably adapted for winding, hoisting, driving fans, disintegrators, centrifugal pumps, or any quick running machinery. Works noiselessly at any speed, and can be reversed in an instant.

9452—5-In. Improved Three-Cylinder Steam Engine (Willan's Patent); manufactured by the Exhibitors. Price £45. This engine is similar in design and construction to Article No. 9451.

9453—2-Ton Portable Steam Crane, with Three-Cylinder Engine Attached; manufactured by the Exhibitors. Price £250.

9454—4-Horse Power Semi-Portable Engine and Multitubular Boiler, with all Fittings Complete; manufactured by the Exhibitors. Price £100.

9455—No. 1 Vertical Air Pump Condenser; manufactured by the Exhibitors. Price £25. Suitable for all kinds of non-condensing steam engines, with cylinders up to 9 in. diameter. Can be fixed independent of the engine.

9456—No. 2 Vertical Air Pump Condenser; manufactured by the Exhibitors. Price £35. Suitable for all kinds of non-condensing steam engines, with cylinders up to 12 in. diameter.

9457—Working Model of Tangye's Direct Acting Compound Steam Pumping Engine; manufactured by the Exhibitors. Price £500. These engines are adapted for mines, water works, &c., and are made in all sizes to discharge any quantity up to 50,000 gallons per hour, and any height up to 1,000 ft. Very economical in fuel, and simple and certain in action.

9458—"Special" Direct Acting Steam Pump, with 12-In. Steam, 6-In. Water Cylinder, and 18-In. Stroke; manufactured by the Exhibitors. Price £75. Will throw 7,000 gallons per hour. These pumps are now universally adopted. They require no shafting, gearing, riggers, or belts, and almost entirely supersede the use of detached engines and pumps.

9459—"Special" Direct Acting Steam Pump, with 10-In. Steam, 5-In. Water Cylinder, and 12-In. Stroke; manufactured by the Exhibitors. Price £55. Will throw 5,000 gallons per hour. These pumps are suitable for all purposes of pumping, and can be placed in any situation any distance away from a boiler.

9460—"Special" Direct Acting Steam Pump, with 8-In. Steam, 4-In. Water Cylinder, and 12-In. Stroke, Fitted with Holman's Patent Self-Acting Exhaust Steam Condenser; manufactured by the Exhibitors. Price £53. Will throw 3,250 gallons per hour. By means of the condenser a saving of from 20 to 50 per cent. in fuel is effected.

9461—"Special" Direct Acting Steam Pump, with 6-In. Steam, 3-In. Water Cylinder, and 12-In. Stroke; manufactured by the Exhibitors. Price £25. Will throw 1,830 gallons per hour. These pumps are much used in breweries for liquor and wort, and also in tanneries for pumping tan liquor.

9462—"Special" Direct Acting Steam Pump, with 5-In. Steam, 2½-In. Water Cylinder, and 12-In. Stroke; manufactured by the Exhibitors. Price £21. Suitable for feeding boilers aggregating 100-horse power.

9463—"Special" Direct Acting Steam Pump, with 6-In. Steam, 3-In. Water Cylinder, and 12-In. Stroke, with Vertical Cross Tube Boiler, Mounted Together on Base, with Feeder and Fittings Complete; manufactured by Exhibitors. Price £72 10s. Throws 1830 gallons per hour. Useful for a variety of purposes. All sizes; to throw from 500 to 40,000 gallons per hour.

9464—12-In. Tangye's Centrifugal Pump, with 2 Standards; manufactured by the Exhibitors. Price £70. Either the disc or spindle of these pumps can be removed without disturbing the suction or delivery pipes.

9465—6-In. Tangye's Centrifugal Pump, with 2 Standards; manufactured by the Exhibitors. Price £21. Similar in design and construction to Article No. 9464.

9466—4-In. Tangye's Centrifugal Pump, with Single Standard; manufactured by the Exhibitors. Price £12. Similar in design to Article No. 9464.

9467—3-In. Tangye's Centrifugal Pump, with Single Standard; manufactured by the Exhibitors. Price £9. Same in design as Article No. 9464.

9468—Patent Hydraulic Railway Carriage Jack; manufactured by the Exhibitors. Price £8. For raising the ends of empty railway carriages and waggons quickly for the purpose of examining the axles. One man can raise a carriage 2 ft. high in less than a minute.

9469—Hydraulic Boiler Prover, to Test to 200 Lbs. Per Square In.; manufactured by the Exhibitors. Price £8.

9470—Specimens of Tangye's Patent Hydraulic Jack; manufactured by the Exhibitors. Price from £4 to £22 10s. To lift from 2½ tons to 100 tons by the power of one man.

9471—Specimens of Tangye's Patent Hydraulic Punching Bears; manufactured by the Exhibitors. Price from £10 to £15.

9472—Specimens of Weston's Patent Differential Pulley Blocks; manufactured by the Exhibitors. Price from £1 10s. to £10. Adopted in all the principal workshops in the world. Over 150,000 sets in use.

9473—Specimens of Tangye's Self-Sustaining Rope Pulley Blocks; manufactured by the Exhibitors. Price from £2 to £3.

9474—Samples of Tangye's Wrought-Iron London Pattern Rope Pulley Blocks; manufactured by the Exhibitors. Price from 5s. to £1.

9475—Specimens of Tangye's Galvanized Malleable Iron Pulley Blocks; manufactured by the Exhibitors. Price from 10s. to £1 10s.

9476—Specimens of Tangye's Screw Lifting Jacks; manufactured by the Exhibitors. Price from 10s. to £5 10s.

9477—(*New Implement.*)—Specimens of Patent Automatic Injectors for Feeding Boilers; manufactured by Fairburn & Hall, of Manchester. Price from £2 10s. to £8.

Stand No. 434.—*The Atlas Engine Co. (Limited), of Birmingham.*

Article 9478—Horizontal High-Pressure Engine, 3-Horse Power; manufactured by the Exhibitors. Price £27.

9479—Horizontal High-Pressure Engine, 4-Horse Power; manufactured by the Exhibitors. Price £44.

9480—8-Horse Power Horizontal High-Pressure Expansive Engine; manufactured by the Exhibitors. Price £99.

9481—Vertical High-Pressure Engine, 3-Horse Power, with Boiler; manufactured by the Exhibitors. Price £65.

9482—Vertical High-Pressure Engine, 14-Horse Power; manufactured by the Exhibitors. Price £100.

9483—Ice-Making Machine, for Producing Clear, Hard Block Ice and Cooling Fluids; manufactured by the Exhibitors. Price £400.

9484—Centrifugal Pump, 10-In. Delivery, 5,000 Gallons per Minute; manufactured by the Exhibitors. Price £48.

9485—General Purpose Hand Lift and Force Pump, 2½ In.; manufactured by the Exhibitors. Price £35s.

9486—General Purpose Hand Lift and Force Pump, 3 In.; manufactured by the Exhibitors. Price £3 12s.

9487—General Purpose Fire Engine Pump, 6 In.; manufactured by the Exhibitors. Price £16 10s.

9488—Tachometer for Indicating the Variations in speed of Stationary Engines; manufactured by Buss, Sombart and Co., of Magdeburg. Price £8.

9489—Tachometer for Indicating the Variations of Speed in Portable Engines; manufactured by Buss, Sombart and Co. Price £8.

Stand No. 435.—*The Barrow Shipbuilding Co. (Limited), David Joy, Secretary, of Barrow-in-Furness, Lancashire.*

Article 9490—Sectional Steam Boiler, Complete, of 16-Horse Power, Composed Entirely of Tubes of the Type, with Horizontal Tubes; manufactured by the Exhibitors. Price £170, delivered in Barrow. Any pressure permitted up to 150 lbs. (*For Trial.*)

9491—Sectional Steam Boiler, of 20-Horse Power, Composed only of Tubes ("Vertical Type"), Exhibited without Mountings. Price £203, delivered in Barrow. (*Not for Trial.*)

9492—Compound Non-Condensing Engine, Specially Designed to Work with the above Boilers of Pressure of 150 lbs. Strain. Price £75, at Barrow. (*For Trial.*) Any pressure permitted up to 150 lbs.

9493—Small Compound 3-Cylinder Engine Designed to Work with 150 lbs. Strain. Price £35, at Barrow. (*See Machines in Motion.*)

9494—Disqualified—Informal entry.

Stand No. 436.—*The Patent Steam Boiler Co., of Heneage Street, Birmingham.*

Article 9495—"Root" Patent Steam Boiler; manufactured by the Exhibitors. Price £250.

9496—"Knap" Patent Mechanical Stoker; manufactured by the Exhibitors. Price £60.

9497—Small Steam Engine to Drive Mechanical Stoker; manufactured by the Exhibitors. Price £25.

9498—Case of Boiler Fittings and Sample Tubes; manufactured by the Exhibitors. Price £100.

9499—Feed Water Heater for Steam Boilers; manufactured by the Exhibitors. Price £40.

9500—Circulating Boiler for Heating Buildings; manufactured by the Exhibitors. Price £25.

Stand No. 437.—*Abbott and Co., of the Northgate Iron Works, Newark-on-Trent, Nottingham.*

Article 9501—6-Horse Power "Standard Size" Vertical Cross Tube Boiler, Complete, with all Fittings, Mountings, and Injector; manufactured by the Exhibitors. Price £68. These boilers have 10 ft. of heating surface and 1 ft. of grate surface per nominal horse-power, and are constructed for a working pressure not exceeding 80 lbs. per square in.

9502—4-Horse Power "Standard Size" Vertical Cross Tube Boiler, with all Fittings and Mountings; manufactured by the Exhibitors. Price £47 5s. Similar to the above in every respect, but has no injector.

9503—3-Horse Power "Standard Size" Vertical Cross Tube Boiler, with all Fittings and Mountings; manufactured by the Exhibitors. Price £37 10s. Similar to the above in every respect, but has no injector.

9504—2-Horse Power "Standard Size" Vertical Cross Tube Boiler, with all Fittings and Mountings; manufactured by the Exhibitors. Price £32 10s. Similar to Article No. 9501 in every respect, but has no injector.

9505—1-Horse Power "Standard Size" Vertical Cross Tube Boiler, without any Fittings and Mountings; manufactured by the Exhibitors. Price £18.

9506—6-Horse Power Cochran's Patent Vertical Boiler, with all Fittings, Mountings and Injector; manufactured by the Exhibitors. Price £68. Heating surface is so well arranged that all effective heat is taken from gases before they reach smoke-box, consequently great economy of fuel, 10 lbs. of water evaporated per lb. of coal. Also light, yet strong, easy to manage and repair; no heating surface above water-level; they never prime.

9507—4-Horse Power Cochran's Patent Vertical Boiler, with all Fittings and Mountings; manufactured by the Exhibitors. Price £47 5s. Similar to the above in every respect, but has no injector.

9508—3-Horse Power Cochran's Patent Vertical Boiler, with all Fittings and Mountings, on Wheels; manufactured by the Exhibitors. Price £45. This is specially designed for use with the pulsometer or any other portable and convenient pump; and wherever steam is wanted temporarily, this will be found very convenient.

9509—4-Horse Power "Standard Size" Vertical Tubular Boiler, with all Fittings and Mountings; manufactured by the Exhibitors. Price £44 10s.

9510—2-Horse Power "Standard Size" Vertical Tubular Boiler, with all Fittings and Mountings; manufactured by the Exhibitors. Price £33 5s.

9511—Jordan's Patent Dead Load Safety Valve for 80 Lbs. Working Pressure; manufactured for the Exhibitors by Williamson, of Stalybridge. Price £2 2s. When 1 sq. in. of valve area is allowed per 8 sq. ft. of grate surface, valves are guaranteed not to allow pressure to exceed 2 lbs. from point of opening, and close perfectly within $\frac{1}{4}$ lb. of the pressure at which they open; seatings knife-edged, double-seated, and cannot stick.

9512—Jordan's Patent Dead Load Safety Valve for 60 Lbs. Working Pressure; manufactured for the Exhibitors by Williamson. Price £2.

9513—Jordan's Patent Dead Load Safety Valve for 40 Lbs. Working Pressure; manufactured for the Exhibitors by Williamson. Price £1 18s.

9514—Jordan's Patent High Pressure and Low Water Safety Valve for 60 Lbs. Working Pressure; manufactured for the Exhibitors by Williamson. Price £12. Boilers fitted with these safety valves can never burst, for the pressure cannot exceed the limit, and if the water gets low, the valve opens the same as if the pressure were increased, and takes all pressure off the boilers, and so takes away all possible danger.

9515—Flanged and Dished Boiler Crown, Suitable for Repairs; manufactured by the Exhibitors. Price £1 10s. These are made in any quality of iron or steel at proportionate prices.

9516—Flat Flanged Boiler Top, Suitable for Repairing Tubular Boiler; manufactured by the Exhibitors. Price £1 15s.

9517—Uptake Piece (Steel), Suitable for Repairs. Price 15s.

9518—Welded and Flanged Tube; manufactured by the Exhibitors. Price £1 15s.

9519—Flanged Mouthpiece Forming Connection between Shell and Fire-Box in Vertical Boilers; manufactured by the Exhibitors. Price £1 10s.

9520—Sanday's Patent Planing Table with Necessary Planes and Cramps; manufactured by the Exhibitors. Price £20. This invention has the same effect on rectilinear work that the lathe has on circular work, enabling it to be done with the greatest ease and accuracy. An apprentice or amateur cannot fail to produce perfectly square work where this is used.

Stand No. 473a.—Messrs. Beyer Frères, of 16 and 18 Rue de Lorraine, Paris.

Article 9521—Cylinder Mill for Oatmeal; manufactured by the Exhibitors. Price £42; 3 per cent. discount. Oatmeal grinding mill composed of two porcelain cylinders which form a continuous and solid piece with the spindle, being joined on by our patent process. Instantaneous discharge and feed; also a set of tools and brushes.

Stand No. 438.—*May and Mountain, of Suffolk Works, Birmingham.*

Article 9522—10-Horse Power Horizontal Expansive Steam Engine; manufactured by the Exhibitors. Price £130.

9523—10-Horse Power Horizontal Steam Engine, with Longworth's Patent Automatic Expansion Gear; manufactured by the Exhibitors. Price £150.

9524—Vertical Ram and Bucket Pump, 6-In. Steam Cylinder, 4-In. Ram, 5½-In. Bucket; manufactured by the Exhibitors. Price £26.

9525—Vertical Ram and Bucket Pump, 5-In. Steam Cylinder, 3½-In. Ram, 4½-In. Bucket; manufactured by the Exhibitors. Price £20.

9526—Vertical Ram and Bucket Pump, 4-In. Steam Cylinder, 2½-In. Ram, 3½-In. Bucket; manufactured by the Exhibitors. Price £16.

9527—Vertical Ram and Bucket Pump, 3-In. Steam Cylinder, 2-In. Ram, 2½-In. Bucket; manufactured by the Exhibitors. Price £13.

9528—Colebrook's Patent Steam Pump, with Gun-Metal Valves, 6-In. Steam Cylinder, 4-In. Pump; manufactured by the Exhibitors. Price £33.

9529—Colebrook's Patent Steam Pump, with Leather Pump Valves, 12-In. Steam Cylinder, 8-In. Pump; manufactured by the Exhibitors. Price £90.

9530—Colebrook's Patent Double-Acting Ram Pump, 12-In. Steam Cylinder, 6-In. Ram; manufactured by the Exhibitors. Price £120.

9531—Colebrook's Patent Ram and Bucket Pump, 9-In. Steam Cylinder, 1½-In. Ram, 2½-In. Bucket; manufactured by the Exhibitors. Price £40.

9532—Hydrant or Water Pillar, for Sanitary Purposes; manufactured by the Exhibitors. Price £6.

9533—Hydrant for Fire Purposes; manufactured by the Exhibitors. Price £8 10s.

9534—Torkington and Hey's Patent Self-Acting Lubricator, No. 0 Size; manufactured by the Exhibitors. Price 10s.

9535—Torkington and Hey's Patent Self-Acting Lubricator, No. 3 Size; manufactured by the Exhibitors. Price £1 10s.

9536—Torkington and Hey's Patent Self-Acting Lubricator, No. 6 Size; manufactured by the Exhibitors. Price £3.

Stand No. 439.—*Le Grand and Sutcliff, of the Magdala Works, 100, Bunhill Row, London, E.C.*

Article 9537—Norton's Patent "Abyssinian" Tube Well, 30-Ft. 1½-In. Diameter; manufactured by the Exhibitors. Price £6 10s.

9538—Norton's Patent "Abyssinian" Tube Well, 30-Ft. 2-In. Diameter; manufactured by the Exhibitors. Price £12 10s.

9539—Norton's Patent "Abyssinian" Tube Well, 30-Ft. 3-In. Diameter; manufactured by the Exhibitors. Price £22 15s.

9540—1½-In. Set of Norton's Patent "Abyssinian" Tube Well-Driving Apparatus; manufactured by the Exhibitors. Price £20.

9541—2-In. Set of Norton's Patent "Abyssinian" Tube Well-Driving Apparatus; manufactured by the Exhibitors. Price £32.

9542—3-In. Set of Le Grand and Sutcliff's Patent "Abyssinian" Tube Well-Driving Apparatus; manufactured by the Exhibitors. Price £40.

9543—3-In. "Field" Pump; manufactured by the Exhibitors. Price £1 10s.

9544—4-In. "Field" Pump; manufactured by the Exhibitors. Price £1 15s.

9545—3-In. Wheel Pump; manufactured by the Exhibitors. Price £4 10s.

9546—4-In. Wheel Pump; manufactured by the Exhibitors. Price £5.

9547—4-In. Twin Wheel Pump; manufactured by the Exhibitors. Price £12.

9548—3-In. "Column" Pump and Foundation; manufactured by the Exhibitors. Price £3 10s.

9549—4-In. "Column" Pump and Foundation; manufactured by the Exhibitors. Price £4 5s.

9550—Deep Well Pillar Pump for Well 35 Ft. Deep; manufactured by the Exhibitors. Price £7 15s.

9551—Norton's Improved Patent Registering Turnstile (Finished Bright); manufactured by the Exhibitors. Price £24. This turnstile took the only Prize Medal at the Paris Exhibition, 1878.

9552—Norton's Improved Patent Registering Turnstile; manufactured by the Exhibitors. Price £16.

9553—Middle Rail for Norton's Improved Patent Turnstiles; manufactured by the Exhibitors. Price £2 10s.

9554—Artesian Well-Boring Shear Legs; manufactured by the Exhibitors. Price £13 10s.

9555—Set of Artesian Well-Boring Tools for 50 Ft.; manufactured by the Exhibitors. Price £27 8s.

9556—Shearlegs for Patent Tubular Pile Driving; manufactured by the Exhibitors. Price £18.

9557—Pile Driving Weight or Monkey for 6-In. Patent Pile; manufactured by the Exhibitors. Price £7 10s.

9558—6-In. Le Grand and Sutcliff's Patent Tubular Pile, 10 Ft. Long; manufactured by the Exhibitors. Price £6 10s.

9559—Le Grand and Sutcliff's Patent Iron Telegraph Post and Foundation; manufactured by the Exhibitors. Price £2.

9560—Iron Flagstaff with Le Grand and Sutcliff's Patent Foundation; manufactured by the Exhibitors. Price £1 15s.

9561—Le Grand and Sutcliff's Patent Tent Pole and Foundation; manufactured by the Exhibitors. Price 15s.

9562—Le Grand and Sutcliff's Patent Foundation for Wood Post; manufactured by the Exhibitors. Price £4 4s.

9563—Lamp-post with Le Grand and Sutcliff's Patent Foundation; manufactured by the Exhibitors. Price £3.

9564—Le Grand and Sutcliff's Wind Engine and Pump; manufactured by the Exhibitors. Price £18.

9565—Hydraulic Ram ; manufactured by the Exhibitors. Price £4.

9566—Manual Ship's Pump ; manufactured by the Exhibitors. Price £15.

9567—Artesian Well-Boring Tubes of Various Sizes ; manufactured by the Exhibitors. At list prices.

9568—Le Grand and Sutcliff's 6-In. Wheel Pump ; manufactured by the Exhibitors. Price £8.

9569—Le Grand and Sutcliff's Patent Sand Tube ; manufactured by the Exhibitors. Price £1 5s.

9570—Le Grand and Sutcliff's Patent Round Post Hole Rammer ; manufactured by the Exhibitors. Price £2.

9571—6-In. Double Barrel Bullock Pump, Specially Designed for Patent Tube Wells ; manufactured by Rigg, of Chester. Price £27 10s.

9572—Hot Air Engine. Price £58.

Stand No. 440.—*Williamson Brothers, of the Canal Iron Works, Kendal, Westmorland.*

Article 9573—Vortex Turbine or Water Wheel ; manufactured by the Exhibitors. Price £43. With suction bands and exterior case complete (4-horse power on 60 ft. fall) ; adapted for high or low falls.

9574—Vortex Turbine (Working Model) ; manufactured by the Exhibitors. Designed to show the action of the above. (*Not for Sale.*)

9575—Vortex Turbine (Working Model) ; manufactured by the Exhibitors. Another arrangement of this wheel with vertical shaft. (*Not for Sale.*)

9576—Sluice Valve ; manufactured by the Exhibitors. Price £9. Suitable for the above Vortex.

9577—6-Horse Power Portable Steam Engine ; manufactured by the Exhibitors. Price £175. Used to drive the above models.

9578—Whirlpool Centrifugal Pump, Size No. 5 ; manufactured by the Exhibitors. Price £52 ; foot-valve, £9 extra. Adapted for raising 1,500 gallons of water per minute (at work to supply the models of the Vortex with water).

9579—Whirlpool Centrifugal Pump, Size No. 4 ; manufactured by the Exhibitors. Price £39 ; foot-valve, £6 10s. extra. Adapted for raising 1,000 gallons of water per minute.

9580—Whirlpool Centrifugal Pump, Size No. 3, with 1 Standard ; manufactured by the Exhibitors. Price £35 ; foot-valve, £4 10s. extra. Adapted for raising 550 gallons of water per minute.

9581—Foot Valve, Size No. 3 ; manufactured by the Exhibitors. Price £4 10s. Adapted for the above pump.

9582—Whirlpool Centrifugal Pump, Size No. 2, with 2 Standards ; manufactured by the Exhibitors. Price £27 ; foot-valve, £3 6s. extra. Adapted for raising 250 gallons of water per minute.

9583—Whirlpool Centrifugal Pump, Size No. 1, with 2 Standards ; manufactured by the Exhibitors. Price £18 ; foot-valve, £2 extra. Adapted for raising 120 gallons of water per minute.

9584—Whirlpool Centrifugal Pump, Size No. 0, with 2 Standards ; manufactured by the Exhibitors. Price £15 ; foot-valve, £1 15s. extra. Adapted for raising 100 gallons of water per minute.

9585—Foot Valve, for No. 1 Centrifugal Pump; manufactured by the Exhibitors. Price £2.

9586—Water-Wheel and Force Pump; manufactured by the Exhibitors. Price £28. Intended to raise water for farm buildings or private houses where a low fall can be obtained. This wheel with a fall of 5 feet will raise 1,500 gallons in 24 hours to a height of 50 feet.

9587—Improved Chain Pump, Size No. 2; manufactured by the Exhibitors. Price £4 15s. Suitable for raising liquid manure or for contractors' use.

9588—4-Horse Power Combined Thrashing, Shaking, and Winnowing Machine; manufactured by the Exhibitors. Price £42. Drum 36 in. wide; with horse gear complete, £68.

9589—3-Horse Power Combined Thrashing, Shaking, and Winnowing Machine; manufactured by the Exhibitors. Price £34. Drum 28 in. wide; with horse gear complete, £58.

9590—2-Horse Power Combined Thrashing, Shaking, and Winnowing Machine; manufactured by the Exhibitors. Price £32. Drum 20 in. wide; with horse gear complete, £52.

9591—1-Horse Power Thrashing Machine; manufactured by the Exhibitors. Price £9. Drum 15 in. wide; with horse gear complete, £19 10s.

9592—4-Horse Power Gear; manufactured by the Exhibitors. Price £27. Suitable for the 4-horse thrashing machine.

9593—3-Horse Power Gear; manufactured by the Exhibitors. Price £25.

9594—2-Horse Power Gear; manufactured by the Exhibitors. Price £20.

9595—1-Horse Power Gear; manufactured by the Exhibitors. Price £10 10s.

9596—Lifting Jack, No. 1 Size; manufactured by the Exhibitors. Price £1 5s.

9597—Lifting Jack, No. 2 Size; manufactured by the Exhibitors. Price £1 10s.

Stand No. 441.—*John Charles Raymond Okes, of 39, Queen Victoria Street, London, E.C.*

Article 9598—(*New Implement.*)—Vosper's Patent 4-Cylinder Compound Engine, Fitted to 3-Horse Power Steam Boiler (Nominal); manufactured by Vosper & Co., of Broad Street, Portsmouth. Price £88 10s. Capable of working to 6-horse power; diameter of high pressure cylinder, 3½ in., diameter of low pressure 5 in. Engine and boiler fixed complete on foundation plate, with pump, governors and extra safety valve. (*For Trial.*)

9599—Vosper's Patent 4-Cylinder High Speed Engine, 2½-Horse Power (Nominal); manufactured by Vosper & Co. Price £65 10s. Diameter of cylinders 3½ in.; 4-in. stroke; fitted with reversing gear, pump (feed), screw propeller, shaft, stern tube and thrush bearing; suitable for a steam launch; the cylinders are lagged with mahogany.

9600—Vosper's Patent 4-Cylinder Engine of 5-Horse Power (Nominal); manufactured by Vosper & Co. Price £68. Diameter of cylinders, 4½ in.; 5-in. stroke; fitted with reversing gear, and cylinders lagged with mahogany. Capable of working up to 12-horse power.

9601—Circular Saw Bench, 4 Ft. by 2 Ft., 24-In. Saw; manufactured by Vosper & Co. Price £16 17s. Loose pulley and throwing-off gear, and diagonal fence motion.

9602—(*New Implement.*)—Clark's Patent Gas Apparatus, Capable of Supplying 15 Lights; manufactured by Mr. F. W. Clark, of 16 A, Great Queen Street, London, W.C. Price £45. For manufacturing gas for private use. (*For Trial.*)

9603—Pickering's Patent Pulley Block, Capable of Raising 10 Cwt. 14 Ft. High; manufactured by J. Pickering, of Globe Works, Stockton-on-Tees. Price £3 5s.

9604—Pickering's Patent Sack Hoist, with Brake attached, to Lift 5 Cwt. 14 Ft. High. Price £3 19s 6d.

9605—Model of Oke's and Robinson's Patent Sewage Filter Press; manufactured by J. Storey, of 37, Farringdon Street, London, E.C. Price £25.

9606—Endless Light Double Leather Driving Band, 60 Ft. Long, 5 In. Wide (Second Quality); manufactured by the Exhibitor. Price £7 10s. Suitable to portable engines and threshing machines.

9607—Endless Light Double Leather Driving Band, 60 Ft. Long, 5 In. Wide; manufactured by the Exhibitor. Price £8 10s. Suitable to portable engines and threshing machines.

9608—Endless Stout Leather Driving Band, 60 Ft. Long, 5 In. Wide; manufactured by the Exhibitor. Price £11 15s. Suitable to portable engines and threshing machines.

9609—Endless Driving Band, "Edged," 60 Ft. Long, 5 In. Wide; manufactured by the Exhibitor. Price £9 10s. Suitable to threshing engines.

9610—Roll of Light Double Belting, 3 In. Wide; manufactured by the Exhibitor. Price 1s. 8d. per foot. Extremely durable.

9611—Roll of Light Double Belting, 4 In. Wide; manufactured by the Exhibitor. Price 2s. 3d. per foot. Extremely durable.

9612—Roll of Light Double Belting, 6 In. Wide; manufactured by the Exhibitor. Price 3s. 5d. per foot. Extremely durable.

9613—Roll of Single Leather Belting, 3½ In. Wide; manufactured by the Exhibitor. Price 1s. 1d. per foot.

9614—Roll of Single Leather Belting, 4½ In. Wide; manufactured by the Exhibitor. Price 1s. 6d. per foot.

9615—Roll of Single Leather Belting, 5½ In. Wide; manufactured by the Exhibitor. Price 2s. 2d. per foot.

9616—Roll of Single Leather Belting, 5 In. wide; manufactured by the Exhibitor. Price 1s. 10d. per foot.

9617—Roll of Leather Belting, 4 In. Wide; manufactured by the Exhibitor. Price 1s. 4d. per foot.

Stand No. 442.—*Hayward, Tyler, and Co., of 84 and 85, Upper Whitecross Street, London, E.C.*

Article 9618—Rider's Patent Hot Air Engine, of 2-Horse Power; manufactured by the Exhibitors. Price £135. Especially adapted to driving agricultural machinery, such as chaff-cutters, pulpers, &c.

9619—Rider's Patent Hot Air Pumping Engine of $\frac{1}{2}$ -Horse Power; manufactured by the Exhibitors. Price £50. Capable of raising 500 gallons of water per hour to a vertical height of 80 ft., at a cost of 2s. 6d. per week, running 8 hours a day.

9620—Rider's Patent Hot Air Engine of $\frac{1}{4}$ -Horse Power; manufactured by the Exhibitors. Price £40. Suitable to blowing house organs, or driving sewing machines. N.B. The engine exhibited is worked by gas.

9621—Cope and Maxwell's Patent "Universal" Steam Pump, 6-In. Cylinder, 6-In. Pump, Stroke 15 In.; manufactured by the Exhibitors. Price £55. Suitable to brewers and farmers. (*See Machines in Motion.*)

9622—Cope and Maxwell's Patent "Universal" Steam Pump 7-In. Cylinder, 5-In. Pump; manufactured by the Exhibitors. Price £40. Suitable to agricultural purposes. This pump will raise 4,600 gallons of water per hour 80 ft. high. (*See Machines in Motion.*)

9623—Cope and Maxwell's Patent "Universal" Steam Pump, 7-In. Cylinder, 4-In. Pump; manufactured by the Exhibitors. Price £38. Capable of feeding steam boilers of 150-horse power.

9624—Cope and Maxwell's Patent "Universal" Steam Pump, 6-In. Cylinder, 4-In. Pump; manufactured by the Exhibitors. Price £31 10s. Capable of raising 3,000 gallons of water per hour 90 ft. high.

9625—Cope and Maxwell's Patent "Universal" Steam Pump, 5-In. Cylinder, 3-In. Pump; manufactured by the Exhibitors. Price £25. Capable of raising 1,500 gallons of water per hour 110 ft. high.

9626—Fly-Wheel Steam Donkey Pump for Feeding Boilers, 5-In. Cylinder, 3-In. Single Acting Plunger; manufactured by the Exhibitors. Price £30. Capable of feeding steam boilers of 60-horse power.

9627—Binnie's Patent Condenser for Steam Engines and Steam Pumps; manufactured by the Exhibitors. Price £10.

9628—Cope and Maxwell's Patent "Universal" Steam Pump for Feeding Boilers; manufactured by the Exhibitors. Price £19. Capable of supplying steam boilers of 40-horse power. Diameter of steam cylinder 4 in., diameter of pump 2 in.

9629—Fly-Wheel Boiler Feeder; manufactured by the Exhibitors. Price £22. Fly-wheel donkey pump for feeding steam boilers up to 25-horse power; diameter of steam cylinder 3 in., diameter of (double acting) pump, $1\frac{1}{2}$ in.

9630— $2\frac{1}{2}$ -Horse Power Combined Horizontal Engine and Vertical Boiler for Agricultural Purposes; manufactured by the Exhibitors. Price £75. Boiler lagged with sheet-iron is extra.

9631— $2\frac{1}{2}$ -Horse Power Vertical Engine, Cross Tube, and Boiler, for Agricultural Purposes; manufactured by the Exhibitors. Price £70.

9632—3-Horse Power "Bramah" Horizontal Engine, with $5\frac{1}{2}$ -In. diameter cylinder by 8-in. stroke; manufactured by the Exhibitors. Price £27. Strong and powerful, for agricultural purposes.

9633—4-Horse Power Vertical Cross Tube Boiler; manufactured by the Exhibitors. Price £55. Fitted with double safety valve, pressure gauge, and Salter spring balance.

9634—4-Horse Power Horizontal Steam Engine; manufactured by the Exhibitors. Price £50. Complete with governor and fittings; a strong cast-iron foundation for same.

9635—8-Horse Power Tube Girder Bed Plate Engine, of Horizontal Pattern, with Rider's Patent Automatic Expansion Gear; manufactured by the Exhibitors. Price £110.

9636—Set of Standard Couplings for Shafting, from 1 In. Upwards; manufactured by the Exhibitors. Price from 10s. upwards.

9637—Set of Standard Plummer Blocks, with Sole Plates and Wall Boxes for Agricultural Purposes; manufactured by the Exhibitors. Price from 7s. 6d. each.

9638—Pair of Strong 4-In. Double Action California Pumps; manufactured by the Exhibitors. Price £36. Fitted with horse wheel mounted on strong frame; for irrigation or drainage.

9639—Continuous Process Soda Water Machine; manufactured by the Exhibitors. Price £98. With 2½-in. double pumps, 14-gallon condenser and fittings complete. Awarded Gold Medal at Paris.

9640—No. 1 Bramah Continuous Process Soda Water Machine; manufactured by the Exhibitors. Price £64. With 2-in. pump and large condenser. Gold Medal awarded at Paris.

9641—Pair of Improved Pattern Soda Water Pumps, in Strong Frame, with Slate Solution Pan Complete; manufactured by the Exhibitors. Price £60.

9642—28-Gallon Copper Condenser; manufactured by the Exhibitors. Price £36. Fitted on strong frame, with water and pressure gauges.

9643—Copper Gasometer and Pipes (Soda Water Machinery); manufactured by the Exhibitors. Price £21 10s. In strong oak tub, with cast-iron arch pillars and pulleys.

9644—Strong Lead Generator (Soda Water Machinery); manufactured by the Exhibitors. Price £27 10s. 24 in. by 24 in., on iron frame, with acid tank and box combined.

9645—Barrett's Patent Bottling Machine, for Aërated Waters; manufactured by the Exhibitors. Price £17.

9646—Barrett and Elers' Patent Bottling Machine, with Soda Valve for Aërated Waters; manufactured by the Exhibitors. Price £17.

9647—No. 618 D Bottling Machine for Aërated Waters; manufactured by the Exhibitors. Price £18 10s. Fitted with Barrett's patent syrup pump.

9648—No. 618 D Improved Bottling Machine for Aërated Waters; manufactured by the Exhibitors. Price £7 7s.

9649—Strong Improved Pattern Syphon Filling Machine; manufactured by the Exhibitors. Price £7 10s.

9650—Improved Wiring Stool; manufactured by the Exhibitors. Price £4.

9651—Double Bottle Washing Trough; manufactured by the Exhibitors. Price £22. Fitted with two double brushing heads and four sets of rinsers.

9652—Patent Single Bottle Washing Trough; manufactured by the Exhibitors. Price £12 10s. Fitted with single brushing head and rinser.

9653—Baker's High Pressure Filter, for Filtering Water from Mains; manufactured by the Exhibitors. Price £4 4s.

9654—No. 2 Gas Washing Apparatus for Cleansing the Gas from Impurities; manufactured by the Exhibitors. Price £9 10s.

9655—15-Gallon Strong Copper Steam Pan, on Legs, for Boiling Syrups; manufactured by the Exhibitors. Price £10 10s.

9656—15-Gallon Strong Enamelled Iron Cooling Pan, on Legs, for Syrups; manufactured by the Exhibitors. Price £2 5s.

9657—One Silicated Carbon Filter, for Filtering Water; manufactured by the Exhibitors. Price £6 6s.

9658—One 450 B 4-In. Double Barrel Manure Tank Pump, Mounted on Wheels; manufactured by the Exhibitors. Price £30.

9659—452 A Double Barrel Liquid Manure Pump, 3½-In. Barrels, Mounted on Wheels and Draw Handles; manufactured by the Exhibitors. Price £15.

9660—No. 450 5-In. Double Action Farm Fire Engine or Liquid-Manure Pump on Wheels; manufactured by the Exhibitors. Price £22.

9661—450 A Double Action 2½-In. Pump, with Fly-Wheel, and Mounted on Strong Portable Iron Tank; manufactured by the Exhibitors. Price £13.

9662—Selection of Galvanized Iron Manure Pumps, on Legs, and for Mounting on Carts; manufactured by the Exhibitors. Price from £2 each.

9663—Selection of Cast-Iron Manure Pumps, for Farmyard Use; manufactured by the Exhibitors. Price from 15s.

9664—No. 446 A Strong Galvanized Iron Liquid-Manure Force Pump; manufactured by the Exhibitors. Price £4.

9665—Set of Antonissen's Patent Cottage and Farmyard Pumps; manufactured by the Exhibitors. Price from 16s. each.

9666—3-In. Patent California Pump, on Barrow, for Liquid Manure; manufactured by the Exhibitors. Price £7 10s.

9667—Disqualified—Informal entry.

9668—House Fire Engine; manufactured by the Exhibitors. Price £4. Suitable for landings and mansions.

9669—24-Gallon Water Barrow, on Wheels; manufactured by the Exhibitors. Price £60.

9670—Disqualified—Informal entry.

9671—No. 355 24-Gallon Garden Engine, with Spreader for Lawns; manufactured by the Exhibitors. Price £7 15s.

9672—Selection of Garden Engines, for Pails, and Without, 35l, 35½, &c.; manufactured by the Exhibitors. Price from £1 15s. each.

9673—No. 360 A 3-In. Conservatory Pump, on Barrow; manufactured by the Exhibitors. Price £5 10s.

Stand No. 443.—*Jonathan Pickering, of the Globe Works, Stockton-on-Tees, Durham. London Agent: J. C. R. Okes, 39, Queen Victoria Street, E.C.*

Article 9674—Pickering's Patent 3-Cwt. Hoist, with Chain for 12-Ft. Lift; manufactured by the Exhibitor. Price £2 11s.

9675—Pickering's Patent 3-Cwt. Hoist, with Brake and Chain for 12-Ft. Lift; manufactured by the Exhibitor. Price £3 6s.

9676—Pickering's Patent 5-Cwt. Hoist, with Chain for 12 Ft. Lift; manufactured by the Exhibitor. Price £2 16s.

9677—Pickering's Patent 5-Cwt. Hoist, with Brake and Chain for 12-Ft. Lift; manufactured by the Exhibitor. Price £3 16s.

9678—Pickering's Patent 10-Cwt. Hoist, with Chain for 12-Ft. Lift; manufactured by the Exhibitor. Price £3 9s.

9679—Pickering's Patent 10-Cwt. Hoist, with Brake and Chain for 12-ft. Lift; manufactured by the Exhibitor. Price £4 9s.

9680—Pickering's Patent 5-Cwt. Pulley Block, 12-Ft. Lift; manufactured by the Exhibitor. Price £2 11s.

9681—Pickering's Patent 10-Cwt. Pulley Block, 12-Ft. Lift; manufactured by the Exhibitor. Price £3 1s.

9682—Pickering's Patent 20-Cwt. Pulley Block, 12-Ft. Lift; manufactured by the Exhibitor. Price £4 6s.

9683—Pickering's Patent 2-Ton Pulley Block, 10-Ft. Lift; manufactured by the Exhibitor. Price £5 3s. 4d.

9684—Pickering's Patent 4-Ton Pulley Block, 10-Ft. Lift; manufactured by the Exhibitor. Price £8 5s.

9685—Pickering's Patent 6-Ton Pulley Block, 10-Ft. Lift; manufactured by the Exhibitor. Price £13.

9686—Pickering's Patent Bracket Winch for Sack Lifting; manufactured by the Exhibitor. Price £3 15s. Self-sustaining; the lifting and lowering being controlled by one handle.

9687—Pickering's Patent Warehouse Hoist, for 5 Cwt.; manufactured by the Exhibitor. Price £15.

9688—Pickering's Patent Warehouse Hoist, for 10 Cwt.; manufactured by the Exhibitor. Price £25.

9689—Pickering's Patent Bracket Winch without Barrel; manufactured by the Exhibitor. Price £4.

9690—Wrought-Iron Warehouse Crane for 10 Cwt., with Crab; manufactured for and by the Exhibitor. Price £10.

9691—Wrought-Iron Jib Crane, with 10 Cwt. Pickering's Blocks and Chain; manufactured by and for the Exhibitor. Price £8.

9692—(*New Implement.*)—Selection of Pickering's Patent Piston Rings for Portable Engines. Price from 1s. per inch.

Stand No. 444.—*Francis Ley, of the Vulcan Iron Works, Derby.*

Article 9693—Collection of Moore's Patent Differential Pulley Blocks; manufactured by Head, Wrightson, & Co., of Stockton-on-Tees. Price £2 10s. to £20. These blocks are of special advantage to farmers, butchers, millers, &c., for raising machinery, fat cattle, millstones, or other goods. The prices depend on the height the blocks are required to lift, the chain being charged at per foot.

9694—Collection of Moore and Head's Patent Hand Hoists, with and without Brakes; manufactured by Head, Wrightson, & Co. Price £2 to £10. These hoists are constructed to lift from 2 to 20 cwt., and are of great use to farmers, millers, maltsters, tanners, brewers, and others.

9695—Collection of Moore and Head's Special Sack and other Hoists, Fitted with Ley's Patent Brakes; manufactured by Head, Wrightson, & Co. Price £2 to £10. These hoists are rendered specially valuable to farmers, millers, maltsters, brewers, and others, by their being fitted with Ley's

patent self-sustaining brake, which enables the load to be suspended at any point.

9696—Collection of Screw-Lifting Jacks; manufactured by the Exhibitor. Price £1 to £10. Specially adapted for the use of farmers, steam-ploughing contractors, thrashing-machine owners, &c.

9697—Collection of Wrought-Iron Rope Pulley Blocks; manufactured by the Exhibitor. Price 5s. to £10 per set.

9698—Collection of Small Warehouse Cranes; manufactured by the Exhibitor. Price £5 to £20. Suitable for millers, maltsters, farmers, &c., for lifting millstones, grain, cattle, &c.

9699—Collection of Ley's Homogeneous Malleable Castings; manufactured by the Exhibitor. Price 3d. to 1s. per lb. As used in the construction of agricultural machinery.

9700—Samples of American Patent Barbed Steel Fencing Wire; manufactured by the Exhibitor. Price 17s. 6d. per 100 yards, exclusive of posts. This patent fence is of great service in the colonies, as it deters the wildest cattle from breaking through, and is very light and strong.

9701—(*New Implement.*)—Collection of Ewart's Patent Malleable-Iron Detachable Drive Chain; manufactured by the Exhibitor. Price 7d. to 7s. 6d. per ft. An American invention, and specially applicable to driving agricultural machinery; may be seen in operation on the self-binding harvesters of Messrs. McCormick & Co., Osborne & Co., A. Wood & Co., and other American firms. Sole manufacturer for the United Kingdom. (*For Trial.*)

Stand No. 445.—*Appleby Brothers, of Emerson Street Southwark, S.E.; and East Greenwich.*

Article 9702—5-Ton Locomotive Steam Crane; invented and manufactured by the Exhibitors. Price £450. Constructed to lift, turn, and travel by steam power; has two horizontal engines with 7-in. cylinders, 10-in. stroke, link reversing motions, vertical boiler 3 ft. 6 in. diameter by 7 ft. high, feed water tank, coal bunker, levers for all motions and brought well together, and are under easy control of the driver. Will run on 4-ft. 8½-in. gauge of rails.

9703—3-Ton Locomotive Steam Crane; invented and manufactured by the Exhibitors. Price £425. Constructed to lift, turn, travel, and alter radius of jib, all by steam; is fitted with two 6½-in. cylinders and 10-in. stroke, link reversing motions, vertical boiler 3 ft. by 7 ft., feed pump, feed water tank, coal bunker and chains complete. Will run on 4-ft. 8½-in. gauge.

9704—30-Cwt. Locomotive Steam Crane; invented and manufactured by the Exhibitors. Price £275. Constructed to lift, turn, and travel with loads of 30 cwt.; is fitted with one steam cylinder 7 in. diameter by 10-in. stroke, link reversing motion, boiler 2 ft. 9 in. diameter by 6 ft. 6 in. high, feed pump, water tank and chains complete, mounted on a wrought-iron carriage for 4-ft. 8½-in. gauge.

9705—Steam Warehouse Hoisting Engine; invented and manufactured by the Exhibitors. Price £85. Fitted with 2 steam cylinders 8 in. diameter by 14 in. stroke, improved valve reversing motion; the cylinders are coupled direct to the chain barrel; the lifting, stopping, and lowering motions are all controlled by a single lever.

9706—Improved Steam Donkey Feed Pumps; invented and manufactured by the Exhibitors. Price, No. 1, £11; No. 2, £12 15s.; No. 3, £16; No. 4, £17. These pumps are simple in construction, and are fitted with gun-metal valve boxes and valves, and gun-metal bushed glands. They are single-acting, and form neat and reliable boiler feeders.

Stand No. 446.—*Thomas Thomas, of 132, High Street, Merthyr Tydvil, Glamorganshire.*

Article 9707—(*New Implement.*)—Automatic Self-Sustaining Hotel and Warehouse Hoist or Lift, with Cage; manufactured by the Exhibitor. Price £50. Will lift and lower by action of endless rope only, and automatically sustain its burden at any point without the usual brake appliances.

9708—(*New Implement.*)—Automatic Self-Sustaining Dinner Hoist or Lift; manufactured by the Exhibitor. Price £30. Will lift and lower with great rapidity, and automatically sustain its burden at any point.

9709—(*New Implement.*)—Automatic Self-Sustaining Sack and Bale Hoist or Lift; manufactured by the Exhibitor. Price £20. Will lift and lower with great rapidity, and automatically sustain its burden at any point.

9710—(*New Implement.*)—Model of an Automatic Self-Sustaining Hoist or Lift, with Arrangements for Holds of Vessels; manufactured by the Exhibitor. Price £25. Will lift and lower with great rapidity, and automatically sustain its burden at any point.

9711—(*New Implement.*)—Model of the "Economic" Railway Buffer; manufactured by the Exhibitor. Price from £8 10s. to £11 10s. per set of four. Its parts are so arranged as to receive the concussion with the least possible strain, and for durability, simplicity, and facility for repairing is unequalled.

9712—Model of a Coal-Weighing Machine, for use in Collieries; manufactured by Evan Thomas, of Aberdare. Price £25. Known as Thomas's "Billy Fair Play." It is self-acting, and receives the small or broken coal from the screen and records the weight for deduction according arrangement.

9713—Case Containing an Assortment of 12 Miners' Lamps; manufactured by Evan Thomas. Price from 4s. to £1 10s. each.

Stand No. 447.—*Thomas Adams, of West Gorton, Manchester.*

Article 9714—Pair of 1½-In. Diameter Adams' Patent Spring Safety Valve (Portable Engine Type); manufactured by the Exhibitor. Price £13 10s. Under no conditions whatever of the fire can the pressure in the boiler rise above that due to the load on the safety valve. The valve returns to its seat with the least practical loss of pressure, viz., 75 of a lb., and does its work in the least possible time, viz., 30 seconds. (*For Trial.*)

9715—Single 3-In. Adams' Patent Spring Safety Valve (Land Boiler Type), with High and Low Water and High Pressure Alarm Combined; manufactured by the Exhibitor. Price £18. Description as above. High and low water and high pressure alarms have two distinct notes, thus being easily distinguishable, and are infallible in their action. (*For Trial.*)

9716—Pair of 3-In. Adams' Patent Spring Safety Valves (Marine Boiler Type); manufactured by the Exhibitor. Price £26. Under no conditions whatever of the fire can the pressure in the boiler rise above that due to the load on the safety valve; the valve returns to its seat with the least practical loss of pressure, viz., 75 of a lb., and performs its work in the least possible amount of time, viz., 30 seconds.

9717—Pair of 2½-In. Adams' Patent Spring Safety Valves (Locomotive Type); manufactured by the Exhibitor. Price £18. Under no conditions whatever of the fire can the pressure in the boiler rise above that due to the load on the safety valve; the valve returns to its seat with the least practical loss of pressure, viz., 75 of a lb., and performs its work in the least possible amount of time, viz., 30 seconds.

9718—Single 3-In. Diameter Adams' Patent Spring Safety Valve (Land Boiler Type); manufactured by the Exhibitor. Price £8. Under no conditions whatever of the fire can the pressure in the boiler rise above that due to the load on the safety valve; the valve returns to its seat with the least practical loss of pressure, viz., 75 of a lb., and performs its work in the least possible amount of time, viz., 30 seconds.

Stand No. 448.—*George Hawksley, of 420, Caledonian Road, London, N.*

Article 9719—Patent Grinding or Disintegrating Machine; manufactured by the Exhibitor. Price £70. Suitable for farmers, manure manufacturers and other purposes; with 5 sets reversible grates (6 in each set); one spare set (6) steel faced beaters and adjustable feed arrangement.

9720—Patent Grinding and Disintegrating Machine; manufactured by the Exhibitor. Price £35. On the same principle as the above, of less diameter, but arranged to deliver the material as ground all round the circle. With four sets (6 in each) reversible grates, and one spare set (4) steel faced beaters with adjustable feed arrangement.

9721—Patent Grinding and Disintegrating Machine; manufactured by the Exhibitor. Price £25. The same form but smaller as Article No. 9019 with 5 sets (3 in each) reversible grates; 1 set (of 4) steel faced beaters and adjustable feed arrangement.

9722—Patent Grinding and Disintegrating Machine; manufactured by the Exhibitor. Price £20. Suitable for reducing all kinds of grain to flour or meal, ½-in. or ¾-in. bones to powder for manure, and generally for such material as does not require the provision the other machines are fitted with for cutting up or reducing before entering the beater chamber. 3 sets grates; one spare set steel-faced beaters.

9723—2-Horse Power Willans' Patent 3-Cylinder Steam Engine; manufactured by Tangye Bros., Birmingham, for the Exhibitor. Price £35; if fitted with governor, £5 10s. extra. This engine is exhibited as suitable for driving disintegrators, as from the speed at which it can be worked no counter-shaft is required, and the speed may be varied as the character of the material to be ground requires.

9724—6-Horse Power Vertical Boiler with Cross Tubes; manufactured by Tangye Bros. Price £47. This boiler is complete with chimney, fire-door, fire-bars and bearers, damper and frame, mud and man-hole covers and bridge-pieces; also steam dome, safety-valve, glass water-gauge and cocks, two trial cocks, blow-off cock, back pressure valve, and dial steam pressure gauge.

9725—Steam Boiler Feeder; manufactured by Tangye Bros. Price £26. The manufacture and addition by the Exhibitor of an air vessel and filtering chamber on the suction side of the pump will recommend itself to all who have experienced the vexatious stoppages, injury to pumps and valves when using dirty or gritty water, as all users of portable or ploughing engines cannot avoid.

9726—30-Ft. 1½-In. Patent Abyssinian Tube Well; manufactured by the Exhibitor. Price £6 15s. With Hawksley's patent 3-in. tube well pump and iron standard.

9727—30-Ft. 2-In. Patent Abyssinian Tube Well; manufactured by the Exhibitor. Price £11. With Hawksley's patent 4-in. tube well pump and iron standard.

9728—30-Ft. 3-In. Patent Abyssinian Tube Well, with 6-In. Hand Pump; manufactured by the Exhibitor. Price £21. These tubes are screwed into the ground (as the Mitchell's screw pile), and have special clutch joints to avoid unscrewing when raising the tube. The little skill required, the small weight and cost of the apparatus to fix them as compared with driving tackle for the same size, sufficiently recommend this system.

9729—1½-In. Patent Tube Well Driving Apparatus; manufactured by the Exhibitor. Price £25. The whole of the material is of the highest quality (as I supply to the India Office), and complete in every detail to meet any emergency. The small tools, with duplicate and spare articles in iron bound chest, with lock and key.

9730—2-In. Patent Tube Well Driving Apparatus; manufactured by the Exhibitor. Price £35. Same in character and quality as preceding article.

9731—3-In. Patent Tube Well Screwing-Down Apparatus and Tools; manufactured by the Exhibitor. Price £30. Consisting of wrought-iron levers and clamp for screwing down 3-in. combined tube cutter and wrench; 3-in. stocks and dies. All small tools, and duplicate and spare articles in iron-bound chest, with lock and key.

9732—Hawksley's Patent Pump; manufactured by the Exhibitor. Price £8 10s. With long body adjustable as to height of spout from ground line; the barrel with door for access to lower valves is 6 ft. below the spout; complete with 30 ft. of suction pipe and strainer; total depth under spout 37 ft.

9733—Hawksley's Patent Pump, 4-In.; manufactured by the Exhibitor. Price £5 10s. This form of pump, suggested by difficulties experienced in forming tube wells where the ordinary sand tube is not suitable, has a filtering arrangement and reservoir for the sand brought up by the water; by this means the failure of the action of the pump valves and wear of bucket leathers is avoided.

9734—Hawksley's Patent Pump, 3-In.; manufactured by the Exhibitor. Price £5. Same principle as preceding article.

9735—30-Ft. 2-In. Patent Tube Well, with Hancocks' Patent Inspirator; manufactured by the Exhibitor and Messrs. Hancock. Price £20. The Hancocks' Inspirator, boiler feeder, or water lifter above referred to is No. 25 in the Company's list. Price £12.

9736—30-Ft. 2-In. Patent Tube Well, with Pulsometer; manufactured by the Exhibitor and the Pulsometer Co. Price £20. The pulsometer above referred to is No. 1 of the Company's list. Price £10.

9737—Patent Sand or Filter Tubes for Tube Wells; manufactured by the Exhibitor. Price £2 5s., £3 10s. and £5. Dimensions: 2 in. inside diameter, length 3 ft., 4 ft. 6 in. and 6 ft. These sand tubes permit the formation of tube wells in strata, as fine or running sand, where other means could not succeed.

9738—Apparatus Illustrating Hawksley's Patent Process of Obtaining Water; manufactured by the Exhibitor. Price £20. This apparatus is for obtaining water from a comparatively impervious soil, or

where a water supply is not obtainable by other means. An air-tight chamber or accumulator, from which the pump takes the supply immediately required, leaves a vacuum, to be refilled with water in intervals of rest.

9739—Complete Water-Works for Farmers, Market Gardeners, &c.; manufactured by the Exhibitor and others. Price £105. Consisting of one 2-in. patent tube well 30 ft., a No. 2 "Rider" hot-air pumping engine, neat and well constructed engine house, with stout galvanized iron tank at top, 6 ft. by 4 ft. 10 in. by 1 ft. 10 in., complete, with all pipe connections as shown at work.

9740—Hawksley's Patent Ventilator, 18-In. Inside Diameter; manufactured by the Exhibitor. Price £5; with gilt vane, &c., £4 extra. Suitable for stables; neat in appearance; effective and durable.

9741—Hawksley's Patent Ventilators, 9 In. and 10 In.; manufactured by the Exhibitor. Price £1 5s. and £1 10s.

9742—Smoke Conductors, 9-In. and 10-In. Inside Diameter; manufactured by the Exhibitor. Price £1 5s. and £1 10s.

Stand No. 449.—*John Hands and Sons, of Cardigan Works, Belmont Row, Birmingham.*

Article 9743—(*New Implement.*)—Working Model of Vernon's Patent Economic Adjustment Turbine; manufactured by the Exhibitors. The area of the water-way is accurately adjusted to the quantity of water used, and to the amount of work on the wheel, thus securing the most economical expenditure of water yet obtained by any turbine wheel. (*Not for Sale.*)

9744—(*New Implement.*)—Improved Double-Acting Steam Pump, with 3½-In. Water Cylinder, 5½-In. Steam Cylinder, 8-In. Stroke; manufactured by the Exhibitors. Price £30. The advantages claimed for this pump are economy of steam, secured by an early cut-off with the slide-valve, and simplicity, the removal of one door giving full access to all the valves.

9745—Centrifugal Pump, with 2-In. Suction and Discharge Openings; manufactured by the Exhibitors. Price £7 10s.

9746—Portable Grinding Mill, manufactured by the Exhibitors. Price £55. With best French burr-stones, 3 ft. diameter, all gun-metal bearings, adjustable bush; made in the strongest and best manner. Suitable for grinding flour, pig-meal, lime, bone-dust, and especially recommended for use on a farm.

9747—2-Horse Power Horizontal Engine; manufactured by the Exhibitors. Price £21.

9748—1½-Horse Power Vertical Wall Engine; manufactured by the Exhibitors. Price £15. With governor, special design for driving mechanical stokers, &c.; a cheap and convenient motor for general purposes, where a small amount of power is required.

9749—(*New Implement.*)—Vertical Wall Engine, without Governor; manufactured by the Exhibitors. Price £12.

9750—2-Horse Power Vertical Boiler; manufactured by the Exhibitors. Price £35. With stand and mountings complete, including double safety-valve and water-injector.

9751—Smoke-Consuming Furnace Door; manufactured by the Exhibitors. Price £5. Effectually prevents the smoke nuisance without admitting cold air to the boiler.

9752—6-In. Main Cock (Cast-Iron), for Chemical Liquor Works, &c.; manufactured by the Exhibitors. Price £3 10s.

9753—4-In. Main Cock; manufactured by the Exhibitors. Price £2 2s.

9754—3-In. Main Cock (Cast-Iron); manufactured by the Exhibitors. Price £1 12s.

9755—2½-In. Main Cock (Cast-Iron); manufactured by the Exhibitors. Price £1 7s. 6d.

9756—2-In. Main Cock (Cast-Iron); manufactured by the Exhibitors. Price £1 1s.

9757—2-In. Gland-Cock, in Gun-Metal; manufactured by the Exhibitors. Price £1 15s.

9758—5-In. Stop-Valve; manufactured by the Exhibitors. Price £4 4s. With gun-metal working parts, turned hand wheel; of best make; for steam and general purposes.

9759—4-In. Stop-Valve; manufactured by the Exhibitors. Price £3.

9760—3½-In. Stop-Valve; manufactured by the Exhibitors. Price £2 10s.

9761—3-In. Stop-Valve; manufactured by the Exhibitors. Price £2 2s.

9762—2½-In. Stop-Valve; manufactured by the Exhibitors. Price £1 15s.

9763—2-In. Stop-Valve, all Gun-Metal; manufactured by the Exhibitors. Price £1 7s. 6d.

9764—2-In. Back-Pressure or Check-Valve, in Gun-Metal, for Pumps; manufactured by the Exhibitors. Price £1 2s.

9765—1½-In. Back-Pressure or Check-Valve (Gun-Metal); manufactured by the Exhibitors. Price 13s. 6d.

9766—1-In. Back-Pressure or Check-Valve (Gun-Metal); manufactured by the Exhibitors. Price 7s. 9d.

9767—Torkington and Hey's Patent Suet Lubricator, No. 1, for Steam Cylinders; manufactured for the Exhibitors. Price 7s. 6d. Suitable for engines up to 2-horse power.

9768—Torkington and Hey's Patent Suet Lubricator, No. 2, for Steam Cylinders; manufactured for the Exhibitors. Price 10s. Suitable for engines up to 5-horse power.

9769—Torkington and Hey's Patent Suet Lubricator, No. 3, for Steam Cylinders; manufactured for the Exhibitors. Price 11s. Suitable for engines up to 8-horse power.

9770—Torkington and Hey's Patent Suet Lubricator, No. 4; manufactured for the Exhibitors. Price £1 5s. Suitable for engines up to 14-horse power.

9771—Torkington and Hey's Patent Suet Lubricator, No. 5; manufactured for the Exhibitors. Price £1 10s. Suitable for engines up to 20-horse power.

9772—Torkington and Hey's Patent Suet Lubricator, No. 6; manufactured for the Exhibitors. Price £1 17s. 6d. Suitable for engines up to 30-horse power.

9773—Torkington and Hey's Patent Suet Lubricator, No. 7; manufactured for the Exhibitors. Price £2 5s. Suitable for engines up to 50-horse power.

9774—Torkington and Hey's Patent Lubricator, No. 8; manufactured for the Exhibitors. Price £3. Suitable for engines up to 70-horse-power.

9775—Torkington and Hey's Patent Suet Lubricator, No. 9; manufactured for the Exhibitors. Price £4 5s. Suitable for engines up to 100-horse power.

9776—1½-In. Wheel-Valve, all Gun-Metal; manufactured by the Exhibitors. Price 15s.

9777—1½-In. Wheel-Valve, all Gun-Metal; manufactured by the Exhibitors. Price 11s. 3d.

9778—1-In. Wheel-Valve, all Gun-Metal; manufactured by the Exhibitors. Price 8s. 6d.

9779—1½-In. Gun-Metal Stop-Cock; manufactured by the Exhibitors. Price 19s.

9780—1½-In. Gun-Metal Stop-Cock; manufactured by the Exhibitors. Price 14s. 6d.

9781—1-In. Gun-Metal Stop-Cock; manufactured by the Exhibitors. Price 10s.

Stand No. 450.—*Bartrum and Powell, of 35, Queen Victoria Street, London, E. C.*

Article 9782—No. 1 A "Comet" Pump (Bartrum & Powell's Patent); manufactured by the Exhibitors. Price £9. For hand power. Delivery, 500 gallons per hour.

9783—No. 1 "Comet" Pump (Bartrum & Powell's Patent); manufactured by the Exhibitors. Price £14. For driving by a leather band and single pulley. Delivery, 1,000 gallons per hour.

9784—No. 2 "Comet" Pump (Bartrum & Powell's Patent); manufactured by the Exhibitors. Price £20. For driving by a leather band, and fitted with a fast and loose pulley. Delivery, 2,500 gallons per hour.

9785—No. 3 "Comet" Pump (Bartrum & Powell's Patent); manufactured by the Exhibitors. Price £30. For driving by a leather band, and fitted with a fast and loose pulley. Delivery, 6,000 gallons per hour.

9786—No. 1 Portable "Comet" Pump (Bartrum & Powell's Patent); manufactured by the Grange Iron Company, Limited, of Durham. Price £23 10s. For driving either by gear or by hand direct, and mounted on a strong 4-wheel bogie. Delivery, 1,000 gallons per hour.

9787—No. 2 "Comet" Pump (Bartrum & Powell's Patent), with Oscillating Steam Engine Attached; manufactured by the Grange Iron Company, Limited. Price £65. Driven by a 6-in. cylinder engine, specially designed to condense its exhaust steam. Delivery, 2,500 gallons per hour.

9788—No. 3 "Comet" Pump (Bartrum & Powell's Patent), with Horse Gear Attached; manufactured by the Grange Iron Company, Limited. Price £47. Fitted with a strong pole; the pump and gear are bolted to a strong wooden foundation-frame. Delivery, 6,000 gallons per hour; has no valves, only two working parts, is driven at a slow speed, and will lift direct from over 27 ft. without a foot valve, and force to 100 ft.

9789—Wire Tramway (Model Worked by Steam); manufactured by W. T. Garrington, G.E., of 76, Cheapside, London. Price £25. Tramways on this system are at work in many parts of the world; upwards

of 100 miles have been erected for the carriage of minerals, sugar-cane, agricultural produce, &c. Price from £250 per mile upwards, without steam-power or woodwork.

9790—Cement Tester (Michele & Carrington's); manufactured by W. T. Carrington, C.E. Price £28. These machines, for testing the tensile strain of cement, are used by Her Majesty's Government in all departments, and by most of the borough engineers in England. They are most compact and expeditious in action. Over 150 in use.

9791—Paper Tester; manufactured by W. T. Carrington, C.E. Price £9. This machine is used for testing the uniformity and strength of paper, and is employed in H.M. Stationery Office, by the Bank of England, and by many leading paper-makers in this country.

9792—1-Horse Power Vertical Steam Engine; manufactured by Warner & Lee, of Battersea Iron Works, Queen's Road, Battersea. Price £16.

9793—4-Horse Power Horizontal Steam Engine, with Foundation Box; manufactured by Hayward, Tyler, & Co., of 84, Whitecross Street, London. Price £50.

9794—5½-Horse Power Vertical Tubular Boiler; manufactured by Cater, Walker, & Son, of Grove Steam Boiler Works, Southwark, S.E. Price £74 12s. 70 lbs. is the greatest pressure at which we shall work our boiler at Show.

9795—10-Horse Power Feed Water Heater (Atkinson's Patent); manufactured by Cater, Walker, & Son. Price £29.

Stand No. 451.—*The Hydraulic Engineering Co., of Chester.*

Article 9796—No. 3 Vapart's Patent Disintegrator; manufactured by the Exhibitors. Price £120. This machine will pulverize both the hardest and lightest materials, from trap-rock to tobacco-leaf, and absorb but little power in proportion to the work done. The working parts are easily accessible, and renewed without skilled labour. The only parts subject to wear and tear are of cast-iron; thus the expense of maintenance is small.

9797—No. 4 Greindl's Patent Pump; manufactured by the Exhibitors. Price £42. This pump has several advantages when compared with centrifugal pumps. 1. It will draw from a greater depth and deliver to a greater height. 2. It takes less power to drive it, and can be worked with advantage at a very low speed. 3. It will always remain charged, ready for work.

9798—7-In. by 6-In., Booterhood's Patent 3-Cylinder Steam Engine; manufactured by the Exhibitors. Price £92. The advantages secured by this invention are as follows:—The engine will start with the crank in any position, there being no "dead centre," and a perfectly uniform motion of the shaft is obtained without using a fly-wheel; working parts entirely enclosed and protected from injury, and lubrication is easily effected, &c.

Stand No. 452.—*Charles L. Hett, of Auchblun Foundry, Brigg, Lincolnshire.*

Article 9799—2½-Horse Power Universal Horizontal Steam Engine; manufactured by the Exhibitor. Price £35.

9800—2½-Horse Power Vertical Steam Boiler, Complete, with Fittings; manufactured by the Exhibitor. Price £35.

9801—Standard Water Wheel and Pump, for Water Supply, in Action; manufactured by the Exhibitor. Price £30; including supply pipe to wheel, stop valve, and grating.

9802—Self-Acting Hydraulic Ram, in Action, Size B; manufactured by the Exhibitor. Price £9 for ram alone; or with fall pipe, foot valve, and strainer, £18. (*See Machines in Motion.*)

9803—2-In. Double Acting or Pumping Ram, in Action; manufactured by the Exhibitor. Price £18 for ram alone; or with fall pipe, foot valve, and strainer, £27. For raising pure water while actuated by a stream of cloudy or foul water. (*See Machines in Motion.*)

9804—1-In. Anglo-American Ram, with Glass Air-Vessel, in Action; manufactured by the Exhibitor. Price £2 5s. (*See Machines in Motion.*)

9805—Foot Valve and Strainer for Ram; manufactured by the Exhibitor. Price £2.

9806—3-In. Centrifugal Pump, in Action; manufactured by the Exhibitor. Price £11 10s. pump alone.

9807—4-In. Centrifugal Pump; manufactured by the Exhibitor. Price £14.

9808—5-In. Centrifugal Pump; manufactured by the Exhibitor. Price £20.

9809—6-In. Centrifugal Pump; manufactured by the Exhibitor. Price £22.

9810—12-In. Centrifugal Pump; manufactured by the Exhibitor. Price £65.

9811—Model Direct Acting Steam Pump; manufactured by the Exhibitor. Price £10.

9812—10-Ft. Wind Engine, for Water Supply; manufactured by the Exhibitor. Price £30.

9813—Wooden Frame for Above; manufactured by the Exhibitor. Price £20.

Stand No. 453.—*Brinjes and Goodwin, of Whitechapel Engine Works, Fieldgate Street, London, E.*

Article 9814—12-In. Rotary Pump; manufactured by the Exhibitors. Price £45.

9815—8-In. Rotary Pump; manufactured by the Exhibitors. Price £30.

9816—6-In. Rotary Pump; manufactured by the Exhibitors. Price £20.

9817—4-In. Rotary Pump; manufactured by the Exhibitors. Price £16.

9818—4-In. Diameter Cylinder Wall Engine; manufactured by the Exhibitors. Price £35.

9819—8-In. Diameter Cylinder Wall Engine; manufactured by the Exhibitors. Price £65.

9820—Granite Roller Grinding Mill, for Paint, &c.; manufactured by the Exhibitors. Price £47 10s.

9821—Steam Boiling Pan; manufactured by the Exhibitors. Price £16.

9822—8-Horse Power Portable Steam Engine; manufactured by Hempsted & Co., of Grantham. Price £210.

Stand No. 454.—*F. H. Atkins and Co., Engineers,
of 62, Fleet Street, London, E.C.*

Article 9823—(*New Implement.*)—Water Softening and Purifying Apparatus, complete; manufactured by the Exhibitors. Price £150. A new luxury and a new source of economy. Applicable for large or small supplies for country residences, schools, colleges, asylums and public institutions, villages, towns, &c., &c.; and for manufacturing purposes, prevention of incrustation in steam boilers, &c., &c.

9824—Filtering Apparatus, consisting of a Set of 6 No. 5 Patent Cistern Filters, connected together; manufactured by the Exhibitors. Price £60.

9825—Filtering Apparatus, consisting of a No. 1 Patent Cistern Filter, fitted in Cistern; manufactured by the Exhibitors. Price £5 7s. 6d.

9826—Filtering Apparatus, consisting of a No. 2 Patent Cistern Filter, fitted in Cistern; manufactured by the Exhibitors. Price £7 12s. 6d.

9827—No. 2 Patent Cistern Filter; manufactured by the Exhibitors. Price £4.

9828—No. 3 Patent Cistern Filter; manufactured by the Exhibitors. Price £5 5s.

9829—No. 2 Patent High Pressure Filter; manufactured by the Exhibitors. Price: plain, £5 5s.; ornamental, £6 10s.

9830—No. 01, Patent High Pressure Filter; manufactured by the Exhibitors. Price £2.

9831—10-Gallon Filter, fitted with Movable Pan; manufactured by the Exhibitors. Price £3 2s. 6d.

9832—4-Gallon Filter, fitted with Movable Pan; manufactured by the Exhibitors. Price £1 17s. 6d.

9833—6-Gallon Drab Filter, fitted with Additional Rough Filter; manufactured by the Exhibitors. Price £3 5s.

9834—8-Gallon "Sanitary" Filter; manufactured by the Exhibitors. Price £2 2s.

9835—2-Gallon "Sanitary" Filter; manufactured by the Exhibitors. Price 17s. 6d.

9836—3-Gallon Brown Household Filter; manufactured by the Exhibitors. Price £1 2s. 6d.

9837—5-Gallon Brown Household Filter; manufactured by the Exhibitors. Price £1 18s. 6d.

9838—4-Gallon Drab Household Filter; manufactured by the Exhibitors. Price £1 12s. 6d.

9839—Glass "Bijou" Filter; manufactured by the Exhibitors. Price 2s. 6d.

9840—Glass Bedroom Filter; manufactured by the Exhibitors. Price 5s.

9841—Glass Table Filter; manufactured by the Exhibitors. Price 7s. 6d.

9842—Glass Table Filter; manufactured by the Exhibitors. Price 8s. 6d.

9843—Glass "Portland" Filter; manufactured by the Exhibitors. Price 12s. 6d.

9844—Cut-Glass "Portland" Filter; manufactured by the Exhibitors. Price £1 1s.

9845—Cut-Glass Table Filter; manufactured by the Exhibitors. Price 18s.

9846—Glass Filter, on Foot; manufactured by the Exhibitors. Price £2 5s.

9847—Green Glass Filter, on Foot; manufactured by the Exhibitors. Price £5 10s.

9848—Terra-Cotta Filter, on Foot; manufactured by the Exhibitors. Price £2 10s.

9849—Pocket Filter; manufactured by the Exhibitors. Price 4s.

9850—Glass Filter, on Foot; manufactured by the Exhibitors. Price £3 3s.

9851—(*New Implement.*)—Patent Automatic Filter, with Valves and Cocks Complete; manufactured by the Exhibitors. Price £70.

Stand No. 455.—*Joseph Evans and Sons, of Culwell Foundry, Wolverhampton, Staffordshire.*

Article 9852—10-In. by 7-In. Patent "Reliable" Steam Pump, fitted with Patent Reversing Gear; invented and manufactured by the Exhibitors. Price £132. Specially adapted for pumping tar, sewage, and thick liquids generally.

9853—5-In. by 3-In. Patent "Reliable" Steam Pump, fitted with Patent Reversing Gear; invented and manufactured by the Exhibitors. Price £39. For boiler feeding, &c.

9854—4-In. by 2-In. Patent "Reliable" Steam Pump; invented and manufactured by the Exhibitors. Price £25. For boiler feeding, &c.

9855—5-In. by 2½-In. Patent Vertical Reliable Steam Pump, with Brass Pump Cylinder; manufactured by the Exhibitors. Price £60. For boiler feeding or other purposes.

9856—4-In. by 2-In. Improved Donkey Pump; manufactured by the Exhibitors. Price £16. For boiler feeding and general purposes.

9857—Patent "Culwell" Horse Pump; invented and manufactured by the Exhibitors. Price £30. For general purposes; specially adapted for export.

9858—Double-Barrel Portable Farm Pump; manufactured by the Exhibitors. Price £12. For general and farm purposes.

9859—6-In. by 4-In. Hydraulic Press Steam Pump, with Improved Relief Valve; manufactured by the Exhibitors. Price £48. To supply pressure to hydraulic presses.

9860—Double-Crank Pump Engine Frame; manufactured by the Exhibitors. Price £12.

9861—Set of Plunger Pumps; manufactured by the Exhibitors. Prices: 2-in., £5; 2½-in., £6; 3-in., £7 10s.; 3½-in., £9; 4-in., £11 each. For general purposes.

9862—Chain Pump, 3-In. Bore, 12 Ft. to Spout; manufactured by the Exhibitors. Price £4 10s.

9863—Set of Colonial Hand Pumps; manufactured by the Exhibitors. Prices: 2-in., 14s.; 2½-in., 17s. 6d.; 2½-in., 18s.; 2½-in., £1 1s. 9d.; 3-in., £1 2s.; 3½-in., £1 8s. 6d.; 3½-in., £1 12s. each.

9864—Set of Colonial Hand Pumps, with Beer Machine Handles; manufactured by the Exhibitors. Prices: 2-in., 14s.; 2½-in., 17s. 6d.; 2½-in., 18s.; 2½-in., £1 1s. 9d.; 3-in., £1 2s.; 3½-in., £1 8s. 6d.; 3½-in., £1 12s. each.

9865—Set of Pitcher Spout Pumps; manufactured by the Exhibitors. Prices: 2½-in., 18s. 6d.; 3-in., £1 1s.; 3½-in., £1 3s. 6d.; 4-in., £1 5s. 6d. each.

9866—3-In. Portable Hand Pump, with Hose and Strainer; manufactured by the Exhibitors. Price £3 2s. 6d.

9867—Set of 3-In. Hand-Pumps; manufactured by the Exhibitors. Prices: No. 30 (a), £1 15s. 6d.; (b), £1 18s. 6d.; (c), £2 1s. 6d. each.

9868—3-In. New Pattern Hand Pump, with Valve Seat Pipe; manufactured by the Exhibitors. Price £1 10s.

9869—Set of Hand-Pumps; manufactured by the Exhibitors. Prices: No. 34, 2½-in., £2 6s.; 3-in., £2 14s.; 3½-in., £2 18s.; 4-in., £3 4s. each.

9870—Set of Hand Pumps, and Division Box; manufactured by the Exhibitors. Prices: No. 42, 3½-in., £3 6s.; 4-in., £3 15s.; No. 44, 3½-in., £6; 4-in., £6 10s. Division boxes, 15s. each.

9871—No. 46, Liquid-Manure Pump, on Legs, with Brass Union, 10 Ft. of Hose Pipe, and Strainer; manufactured by the Exhibitors. Price £5 12s. 3d.

9872—No. 48, Liquid-Manure Pump, to Screw to Cart, with Brass Union; manufactured by the Exhibitors. Price £2 17s. 6d.

9873—Pair of Pumps for Liquid Manure; manufactured by the Exhibitors. Prices: No. 50, 5-in., £6 15s.; No. 52, 4-in., £7.

9874—Covered Chain-Pump, 4-In. Bore, 10 Ft. to Spout, with 2 Handles; improved and manufactured by the Exhibitors. Price £12 10s. For liquid manure, &c.

9875—Set of Manure and Contractors' Pumps; manufactured by the Exhibitors. Prices: No. 72, 3-in., £2 18s.; 4-in., £3 12s.; 6-in., £5 5s. each.

9876—Set of Lift and Force Pumps; manufactured by the Exhibitors. Prices: No. 130, 3-in., £2 17s.; No. 132, 3-in., £3; No. 134, 2½-in., £3 17s. 6d.; No. 138, 2½-in., £2 11s. 6d.; No. 140, 3-in., £3 13s. 6d.; No. 146, 3-in. (with copper cylinder), £3 8s. each. For general purposes.

9877—Set of Lift and Force Pumps; manufactured by the Exhibitors. Prices: No. 150, 3-in., £5; No. 154, 3½-in., £6 4s.; No. 160, 4-in., £5 9s. each.

9878—Set of Plank Pumps, with Brass Barrels and Unions; manufactured by the Exhibitors. Prices: No. 162, 2½-in. (on wood plank), £6 12s.; 3-in. (ditto), £7 18s.; 3-in. (with iron barrel and plank), £5 5s. each.

9879—Set of Patent Improved Suction and Force Pumps; manufactured by the Exhibitors. Prices: No. 0196, 2-in., £1 12s.; 2½-in. (with brass barrel), £4 4s.; 3-in., £2 4s.

9880—Set of Patent Improved Suction and Force Pumps; manufactured by the Exhibitors. Prices: No. 091, 2-in., £1 16s.; 2½-in. (with brass barrel), £4 8s.; 3-in., £2 12s.

9881—Set of Patent Improved Suction and Force Pumps; manufactured by the Exhibitors. Prices: No. 0157, 2-in. (with brass barrel), £4; 2½-in. (with iron barrel), £2 10s.; 3-in. (ditto), £2 18s.

9882—Set of Patent Side Suction and Force Pumps; manufactured by the Exhibitors. Prices: No. 099, 2-in. (with brass barrel), £3 6s.; 3-in. (with iron barrel), £2 4s.

9883—Set of Patent Side Suction and Force Pumps; manufactured by the Exhibitors. Prices: No. 059, 2-in., £1 16s.; 2½-in. (with brass barrel), £4 8s.; 3-in., £2 12s.

9884—Set of Patent Side Suction and Force Pumps; manufactured by the Exhibitors. Prices: No. 0156, 2-in. (with brass barrel), £3 12s.; 2½-in. (with iron barrel), £2 10s.; 3-in. (ditto), £2 18s.

9885—Set of Patent Suction and Force Pumps; manufactured by the Exhibitors. Prices: No. 03, 2½-in. (with brass barrel), £5; 2½-in. (with iron barrel), £3.

9886—Set of Patent Suction and Force Pumps; manufactured by the Exhibitors. Prices: 2½-in. (with brass barrel), £5 6s.; 3-in. (with iron barrel), £3 14s.; 3½-in. (ditto), £5 2s.

9887—Set of Patent Suction and Force Pumps; manufactured by the Exhibitors. Prices: No. 0153, 2½-in. (with brass barrel), £6; 2½-in. (with iron barrel), £3 12s.; 3-in. (ditto), £4 8s.

9888—3-In. Pillar Pump, complete for Well 30 Ft. Deep; manufactured by the Exhibitors. Price £14. Specially adapted for export.

9889—3-In. Double Pillar Pump, complete for Well 30 Ft. Deep; manufactured by the Exhibitors. Price £20. Specially adapted for export.

9890—Set of Pump-Troughs; manufactured by the Exhibitors. Price 9s. 6d. each.

9891—Set of Pickering's Patent Governors, Plain Finish; manufactured by Pickering. Prices: 1½-in. £7 10s.; 3½-in., £15 5s.

9892—Plumber's Stove; manufactured by the Exhibitors. Price £1 7s. 6d.

9893—10-Horse Power Vertical Steam Boiler, with all Mountings; manufactured by the Exhibitors, and Abbott, of Newark. Price £90.

9894—Set of Hydraulic Rams; improved and manufactured by the Exhibitors. Prices: 1-in. drive pipe, £7 10s.; 1½-in., £9; 2-in. £12; 2½-in. £16; 3-in. £20; 4-in. £27 10s. For supplying farms, mansions, &c., with water.

Stand No. 456.—*Wallis and Stevens, of the North Hants Iron Works, Basingstoke, Hants.*

Article 9895—4-Horse Power Portable Engine; manufactured by the Exhibitors. Price £150; if with enlarged fire-box, £4 extra. Fitted with steam-jacketed cylinder 6½ in. diameter, 10-in. stroke, extremely sensitive governors, and Exhibitors' patent "Annular Space" feed heater. Waterproof cover, and full equipment.

9896—(*New Implement.*)—48-In. Combined Threshing and Finishing Machine; manufactured by the Exhibitors. Price £125. For 4-horse engine; has very large riddling surface and Penney's Patent adjustable screen, and makes a very perfect sample. Waterproof cover and full equipment included in price. Fitted with Exhibitors' new patent drum guard (pattern A), specially adapted for easy application to machines already in existence.

9897—8-Horse Power Portable Engine; manufactured by the Exhibitors. Price £210; if with enlarged fire-box, £8 extra. Has jacketed cylinder, $9\frac{1}{4}$ in. diameter; 12-in. stroke. Attention is requested to workmanship throughout.

9898—(*New Implement.*)—54-In. Combined Threshing and Finishing Machine; manufactured by the Exhibitors. Price £150; if with chaff bagging apparatus, £5 extra. Adapted to be worked by 8-horse power portable engine or 6-horse power traction engine. Fitted with Wallis and Stevens' patent safety drum guard (pattern C), the most perfect form for new machines.

9899—12-Horse Power Portable Engine; manufactured by the Exhibitors. Price £305; if with enlarged fire-box, £12 extra. Has two cylinders $8\frac{1}{2}$ in. diameter; 12-in. stroke. A very strong and powerful engine in all its details.

9900—6-Horse Power Traction Engine or Agricultural Locomotive; manufactured by the Exhibitors. Price £340; if with enlarged fire-box, £10 extra; if with water lifter for filling tender, £10 extra. The gear wheels are all of best cast-steel, and the travelling wheels of wrought-iron and of great strength. A most powerful engine of its class. Has two speeds, viz. 2 and 4 miles per hour.

9901—8-Horse Power Traction Engine or Agricultural Locomotive; manufactured by the Exhibitors. Price £400; if with patent winding drum, £20 extra; if with enlarged fire-box, £10 extra; if with water lifter for filling tender, £10 extra. Steel gear, two speeds, and every recent improvement. Adapted either for use with a threshing machine, or for hauling purposes.

9902—(*New Implement.*)—60-In. Combined Threshing and Finishing Machine; manufactured by the Exhibitors. Price £160; if with chaff bagging apparatus, £5 extra. A very strong machine, adapted to be worked by 8-horse power traction engine. Fitted with Wallis and Stevens' patent safety drum (pattern B); differing from pattern C in the use of springs being dispensed with.

9903—Horse Power Threshing Machine, Adapted to be Worked by 4 Light Horses; manufactured by the Exhibitors. Price £59 10s.; if fitted with riddling apparatus, £9 extra. They are extensively used on the Continent and in the Colonies. Exhibitors gained First Prize of the R. A. S. E. on both occasions when prizes were last offered for these machines, viz. in 1860 and 1867. For export they can be taken entirely to pieces.

9904—20-Ft. Straw Elevator; manufactured by the Exhibitors. Price £47; for wood wheels, £3 extra. Made specially for use with a threshing machine. Will deliver the straw at any angle up to a right angle, and is very strongly constructed for constant travelling. Delivers to a height of 20 feet.

9905—26-Foot Patent Elevator or Stacking Machine; manufactured by the Exhibitors. Price £42; canvas hood for windy weather, £1 extra. Arranged to be worked by horse-power for stacking crops in hay or harvest time; delivers any kind of crop, loose or in sheaves, to a clear height of 26 ft.; easily worked by a light horse.

9906—1-Horse Light Gear for Driving Elevator; manufactured by the Exhibitors. Price £7 15s. Made for this special purpose. Loads up on elevator for travelling. One man can put it down ready for work in a very few minutes.

9907—30-Ft. Patent Elevator or Stacking Machine; manufactured by the Exhibitors. Price £46. Price quoted is for horse-power. If arranged to work with thrashing machine also, £3 extra; canvas hood, £1 extra. Delivers to a clear height of 30 feet.

9908—1-Horse Light Gear for Driving Elevator; manufactured by the Exhibitors. Price £7 15s. Similar to Article No. 9906, but is loaded on the 30-ft. elevator, and intended for working it.

Stand No. 457.—*H. R. Marsden, of the Soho Foundry, Leeds.*

Article 9909—15-In. by 9-In. Improved Patent "Blake-Marsden" Stonebreaker; manufactured by the Exhibitor. Price £220. Fitted with H. R. Marsden's new patent reversible cubing jaws, in sections with patent faced backs; wrought-iron connecting rod; patent grooved toggles; steel bearings; new patent drawback motion; will break 75 tons of road metal per day of 10 hours.

9910—(*New Implement.*)—10-Ton Steam Road Roller, and 12-In. by 7-In. Improved Patent "Blake-Marsden" Stonebreaker Combined; manufactured by the Exhibitor. Price £600. Fitted with steel gear, engine of 6 nominal horse power, and can be detached from road roller or breaker by a pin, and used for driving any other machinery; the whole combined arrangement can be managed by one man from foot plate of roller.

9911—(*New Implement.*)—12-In. by 7-In. Improved Patent "Blake-Marsden" Stonebreaker, with Improved Crushing Rolls Combined; manufactured by the Exhibitor. Price £300. The engine of 8 nominal horse power, and can be detached from patent stonebreaker and rolls by a pin, and used to drive any other machinery.

9912—(*New Implement.*)—Patent Portable Mortar Mill; manufactured by the Exhibitor. Price £75. With sliding crosshead; pan, 7 ft. diameter, with H. R. Marsden's new improved rolls; will make 20 tons of mortar in 10 hours, and will also crush dry material.

9913—(*New Implement.*)—12-In. by 6-In. "Marsden's" Patent Bone Mill; manufactured by the Exhibitor. Price £90. With reciprocating self-cleaning steel cutters; will crush the largest bones to small and dust, at the rate of 15 tons in 10 hours; 4 nominal horse power required to drive.

9914—(*New Implement.*)—Farmers' Friend Bone Mill; manufactured by the Exhibitor. Price £15. Actuated by manual power; will crush large bones to small and dust.

Stand No. 458.—*George Gunson, of Stayley Iron Works, Stalybridge, Lancashire.*

Article 9915—(*New Implement.*)—Patent Duplex Stone Breaker, 12 In. by 6 In., with Two Revolving Screens; manufactured by the Exhibitor. Price £116.

Stand No. 459.—*Robert Broadbent and Son, of the Phoenix Iron Works, Stalybridge, Cheshire.*

Article 9916—Patent Improved Blake Stone Breaker, size 16 In. by 9 In. at Mouth; manufactured by the Exhibitors. Price £175. Mounted on wheels; fitted with patent drawback motion, reversible cubing jaws, screening apparatus, &c. (*For Trial.*)

9917—Patent Improved Blake Ore Crusher, size 8 In. by 5 In. at Mouth; manufactured by the Exhibitors. Price £70. Mounted on travelling carriage; patent drawback motion and reversible crushing jaws.

9918—8-Horse Power Portable Steam Engine; manufactured by Barrows and Stewart, of Banbury. Price £210. Fitted with all latest improvements.

Stand No. 460.—*The Dunston Engine Works Company, of Dunston, Gateshead-on-Tyne, Durham.*

Article 9919—Combined Crushing and Cubing Machine; manufactured by the Exhibitors. Price £200. For breaking stones for road metal. Patented by T. Archer, Jun.

9920—(*New Implement.*)—Ore Crushing and Pulverizing Machine; manufactured by the Exhibitors. Price £100. Patented by T. Archer, Jun.

9921—Guano Crusher and Pulverizer; manufactured by the Exhibitors. Price £80. Patented by T. Archer, Jun.

9922—Bone Crushing and Pulverizing Machine; manufactured by the Exhibitors. Price £100. Patented by T. Archer, Jun.

9923—(*New Implement.*)—Hand Winch; manufactured by the Exhibitors. Price £15. For hoisting corn, &c. Patented by T. Archer, Jun.

Stand No. 461.—*Richards and Glaskin, of Britannia Iron Works, Newport, Monmouthshire. Chief Office, 52, Queen Victoria Street, London, E.C.*

Article 9924—(*New Design.*)—Combined Steam Mortar Mill, 7-Ft. Pan; manufactured by the Exhibitors. Price £170. Mill and engine are self-contained, all parts being erected on one bed-plate. Rolls are independent of each other, and are mounted on strong axles; centre spindle is hollow, for convenience of lubricating the bottom step. Boiler tested up to 160 lbs. per sq. in. Engine is full-powered, and arranged to drive either mill or saw bench.

9925—(*New Design.*)—Independent Mortar Mill, 7-Ft. Pan; manufactured by the Exhibitors. Price £60. This mill is self-contained, all the parts being erected upon one heavy bed-plate. The rolls are entirely independent of each other. Central spindle is hollow, and stepped on to a hardened steel-plate fitted in the bed-plate, and is lubricated from the top of spindle.

9926—(*New Design.*)—Cattle-Power Mortar Mill 5-Ft. Pan; manufactured by the Exhibitors. Price £35. This mill is identical in all respects with the steam mills; is very simply speeded, and has the great advantage of keeping the pole as low down as ordinary shafts, giving the horse the greatest advantage in draught.

9927—12-In. Bye Pans Valve, and others; manufactured by the Exhibitors. Price depending on size.

9928—Few Pipe-Castings; manufactured by the Exhibitors. Price depending on size.

Stand No. 462.—*Frederick William Jackson, of Kingsbury Ironworks, Balls Pond, London, N.*

Article 9929—(*New Implement.*)—6-Ft Pan, “A 1,” Combined Mortar Mill and 5-Horse Power Steam-Engine and Boiler; manufactured by the Exhibitor. Price £170. This machine possesses all the advantages of the distinct portable engine and mortar mill; it is direct acting; engine can be disconnected immediately when mill is not required, and engine employed for other purposes. It can be drawn from place to place like a portable engine.

9930—(*New Implement.*)—Contractors’, Builders’, Warehouse, and General Steam Friction Hoist; manufactured by the Exhibitor. Price £12 12s. In this machine a weight can be raised, lowered, or stopped instantly; being friction gear there is no risk of breakage of teeth, and owing to its simplicity of design nothing to get out of repair.

9931—(*New Implement.*)—“A 1” Patent Horse Power Mortar Mill, with 5-Ft. Pan; manufactured by the Exhibitor. Price £36. In this machine the pan revolves, the horse being attached direct without the intervention of gear, a suitable staging being provided for a man to stand on, clear of the draught pole.

9932—(*New Implement.*)—“A 1” Portable Hand or Steam-Power Grinding and Mixing Mill; manufactured by the Exhibitor. Price £20. Will grind and mix loam, plaster, plastics and fibre, pill mass, crystals, paints, &c., and will be found invaluable to the iron-founder, builder, chemist, assayer, painter, &c., and arranged to work either by steam or hand.

9933—“A 1” Improved Double Knife Hand-Power Mortar Mixing Mill; manufactured by the Exhibitor. Price £10 10s. This machine is provided with 2 rows of knives working right and left; consequently mortar, cement, plaster, and other materials, are acted on twice when thrown into the hopper.

9934—Saw-Bench, with 5-Ft. by 2-Ft. Table Rise-and-Fall Spindle; manufactured by the Exhibitor. Price £25. Essentially a contractor’s or builder’s saw-bench, with rise-and-fall motion; in a strong frame, easily arranged, bevel fence; adapted for ploughing; fast and loose pulleys, striking out gear, &c., complete.

9935—Improved Self-Contained Endless-Band Saw Machine; manufactured by the Exhibitor. Price £38. With adjustable canting table, self-acting expansion and contraction gear to top pulley and bearings, fast and loose driving pulleys, striking out gear, complete.

9936—Improved Combined Patent Hand-Power Morticing, Tenoning, and Boring Machine; manufactured by the Exhibitor. Price £15 15s. In this machine the lever is always at one height, the table being arranged so as to be adjustable vertically; the boring apparatus receives its motion by means of bevel wheels, the same spindle being used.

Stand No. 463.—*Western and Co., of Belvedere Road, Lambeth, London, S.E.*

Article 9937—Stone-Moulding and Planing Machine; manufactured by the Exhibitors. Price £300.

9938—10-Horse Power Portable Engine, manufactured by Marshall Sons and Co., Limited, of Gainsboro'. Price, say £240. To drive the above machine only.

Stand No. 464.—*Messrs. Hathorn and Co., of 30, Charing Cross, London, W.C.*

Article 9939—(*New Implement.*)—Patent Air-Compressor; manufactured by the Exhibitors. Price £165. (*For Trial.*)

9940—(*New Implement.*)—Patent Rock Drill; manufactured by the Exhibitors. Price £75. (*For Trial.*)

Stand No. 465.—*J. D. Pinfold, of the Warwickshire Iron Works, Rugby, Warwickshire.*

Article 9941—Improved Patent Combined Three-Process Crushing, Pugging, and Brick- and Tile-Making Machine; invented and manufactured by the Exhibitor. Price £250. Makes 15,000 to 20,000 bricks per day.

9942—Improved Patent Combined Two-Process Pugging, and Brick- and Tile-Making Machine; invented and manufactured by the Exhibitor. Price £140. Makes 10,000 bricks per day.

9943—Improved Patent Brick and Tile-Making Machine; invented and manufactured by the Exhibitor. Price £60. Makes 8000 bricks or 16,000 drain tiles per day. Received the First Prize of the R. A. S. E. at their last Trials.

9944—Improved Brick and Tile Press, for General Purposes. Price £16. Will press goods of any size and thickness.

9945—Pipe and Tile-Making Machine, for Hand-Power; manufactured by the Exhibitor. Price £27.

9946—Improved Combined 3-Horse Engine and Boiler; Price £65. Suitable for chaff cutting, grinding, and general farm use; can be made portable at small extra cost.

9947—10-Horse Power Portable Steam Engine; manufactured by P. and H. P. Gibbons, of Wantage. Price £240.

Stand No. 466.—*William Stubbs, of Rickerscote, Stafford.*

Article 9948—Brick Making and Pressing Machine, with Pug Mill Combined; manufactured by W. G. Bagnall, of Stafford. Price £150. (*For Trial.*)

9949—6-Horse Power Portable Engine. Price £250. This engine is sent for the purpose of working the brick making and pressing machine and pug mill combined, entered above.

Stand No. 467.—*Clayton, Howlett and Co., of Atlas Works, Woodfield Road, Harrow Road, London, W.*

Article 9950—Improved Patent “A 3” Three-Process Brick Making Machine; manufactured by the Exhibitors. Price £175, including all necessary gearing, patent rotary die, and plain cutting table; or, if with patent “end delivery” cutting table, £195. Is driven by an 8-horse power portable steam engine, and will make 12,000 to 18,000 bricks per day.

9951—Patent End Delivery Brick Cutting Table; manufactured and patented by the Exhibitors. Price £25, including one off-bearing barrow. The bricks are cut and delivered direct on to the barrow without handling.

9952—Patent Rotary Orifice Brick Die for Solid or Perforated Bricks; manufactured by the Exhibitors. Price £10 10s. for solid bricks; or £13 for perforated bricks.

9953—Double-Action Tile, Pipe, and Brick Machine, No. 3, for Hand Power; manufactured by the Exhibitors. Price £35. With one cutting table, but exclusive of dies.

9954—(*New Implement.*)—Continuous Delivery Tile, Pipe, Brick and Screening Machine, for Steam Power; manufactured by the Exhibitors. Price £35. The feeding and delivery of this machine are continuous, and are effected without opening or closing any covers.

9955—(*New Implement.*)—Machine for Pressing Ornamental Roofing Tiles, and Other Goods, for Working by Steam Power; manufactured by the Exhibitors. Price £120. This machine makes the tiles from very soft clay, and imparts a superior finish to the goods.

9956—Screw Press for Paving Tiles, Bricks, &c., for Hand Power; manufactured by the Exhibitors. Price £35. This machine is self-delivering, and is adapted for pressing a variety of goods by changing the moulds.

9957—Improved Hand Power Lever Brick Pressing Machine; manufactured by the Exhibitors. Price £18. Is self-lubricating, and by one motion produces all the desired results. It is portable, simple, and strong; worked by one man and a boy; will produce 5000 pressed bricks per day.

9958—Sturgeon's Patent “High Speed” Air Compressor, No. 2, Class A; manufactured by the Exhibitors. Price £142. This air compressor is combined with a steam engine, and mounted on a hollow bed-plate, forming a receiver.

9959—(*New Implement.*)—Sturgeon's Patent “High Speed” Air Compressor, No. 2, Class B; manufactured by the Exhibitors. Price £130. This compressor is self-contained, and combined with a steam cylinder, on iron bed-plate.

9960—10-Horse Power Single Cylinder Portable Steam Engine; manufactured by the Exhibitors. Price £240. Of superior construction and finish, including all the most recent improvements, and usual fittings.

Stand No. 468.—*Le Gros, Mayne, Leaver and Co., of 60, Queen Victoria Street, London, E.C.*

Article 9961—Patent Improved Ingersoll Rock Drill and Stand; manufactured by the Exhibitors. Price £170. Rock drilling machine, No. 1, with automatic feed. Diameter of cylinder, 5 in. Worked by steam or compressed air.

9962—Patent Improved Ingersoll Rock Drill and Stand; manufactured by the Exhibitors. Price £145. Rock drilling machine, No. 2. Diameter of cylinder, 4 in.

9963—Patent Improved Ingersoll Rock Drill; manufactured by the Exhibitors. Price £120. Rock drilling machine, No. 3. Diameter of cylinder, $3\frac{1}{4}$ in.

9964—Patent Improved Ingersoll Rock Drill; manufactured by the Exhibitors. Price £95. Rock drilling machine, No. 4. Diameter of cylinder, $2\frac{3}{4}$ in.

9965—Patent Improved Ingersoll Rock Drill; manufactured by the Exhibitors. Price £85. Rock drilling machine, No. 5. Diameter of cylinder, $2\frac{1}{2}$ in.

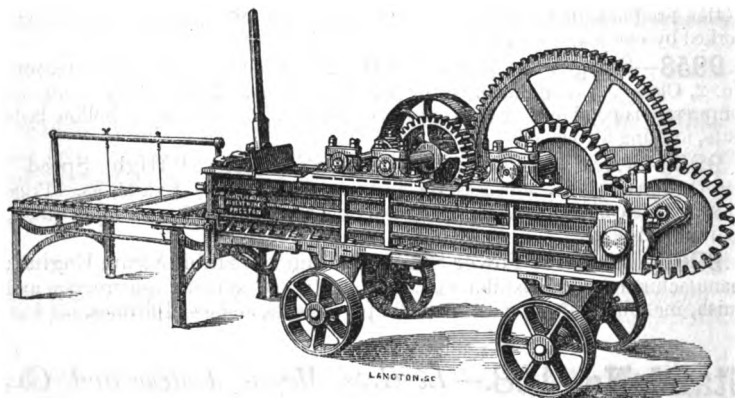
9966—Patent Improved Ingersoll Rock Drill; manufactured by the Exhibitors. Price £45. Rock drilling machine, No. 6. Diameter of cylinder, $1\frac{3}{8}$ in.

9967—Patent Improved Ingersoll Rock Drill and Channelling Machine; manufactured by the Exhibitors. Price £105. Combined rock drilling and channelling machine. Diameter of cylinder, $2\frac{1}{2}$ in.

9968—Assortment of Specimens of Wrought-Iron Tubes; manufactured by the Düsseldorf Tube Company, of Düsseldorf-Oberbilk, Germany. Price $4\frac{1}{2}$ d. per foot upwards. Specimens of various kinds and sizes of wrought-iron tubing for steam, air, water, gas, and for boring and other purposes.

Stand No. 469.—*John Whitehead and Co., of the Albert Works, Preston, Lancashire.*

Article 9969—(*New Implement.*)—Patent Machine, the "Albert," for the Manufacture of Draining Pipes; manufactured by the Exhibitors. Price £65. This direct action machine also makes bricks, both solid and perforated, also flooring and roofing tiles, &c. Very strong machine; simple and easy to work; production large.



9970—Combined Four-Process Brick and Drain Pipe Making Machine, No. 7; manufactured by the Exhibitors. Price £280. This compact machine (weight 10 tons) hoists the clay from the pit, crushes it, pugs, and makes it into goods all at one operation. Production, 20,000 bricks per day.

All the first prizes for brick making machines offered by the R. A. S. E. during the last twenty years have been awarded to the Exhibitors.

9971—Double-Process Brick Making Machine, No. 3; manufactured by the Exhibitors. Price £57. Pugs the clay and makes it into bricks at one and the same operation. Production, 10,000 per day. Very strong, simple, and durable machine. Awarded First Prize at Newcastle Show, R. A. S. E., 1864.

9972—Improved Tile and Pipe Machine, No. 1, for Hand Power; manufactured by the Exhibitors. Price £24. Strong, durable, and productive. J. W. & Co.'s tile and pipe machines have been awarded eleven prizes by the Royal Agricultural Society; they were successful at York, A.D. 1848, and at every trial meeting since a period of thirty years.

9973—Brick, Tile, and Pipe Machine, No. 2, for Steam or Animal Power; manufactured by the Exhibitors. Price £50. For the easy and economical production of all kinds of bricks, draining pipes, flooring, roofing, and ridging tiles. Requires only 1-horse power to drive it.

9974—Double-Chambered Double-Action Brick Press; manufactured by the Exhibitors. Price £20. Self-lubricating, easy to work, and presses 4000 per day.

9975—Double-Cylinder Portable Engine, 12-Horse Power; manufactured by Messrs. Auston, Proctor & Co., of Lincoln. Price £305. Of the best construction and workmanship throughout.

Stand No. 470.—*Thomas Middleton and Co., of Loman Street, Southwark, London, S.*

Article **9976**—Murray's Patent Brick Making Machine, with Vertical Pug Mill; manufactured by the Exhibitors. Price £255. With patent die, and patent cutting table complete; makes 20,000 to 25,000 bricks per day.

9977—Murray's Patent Horizontal Brick, Tile, and Pipe Making Machine; manufactured by the Exhibitors. Price £140.

9978—Murray's Patent Portable Brick Press; manufactured by the Exhibitors. Price £25.

Stand No. 471.—*Richard Scholefield, of Kirkstall Road, Leeds.*

Article **9979**—Patent Semi-Dry Brick Machine, with Press Underneath, and Power Press Combined; manufactured by the Exhibitor. Price £210.

9980—Patent Semi-Dry Brick-Making Machine, with Press on Top, and Power Press Combined; manufactured by the Exhibitor. Price £210.

9981—Patent Plastic Brick-Making Machine; manufactured by the Exhibitor. Price £155.

9982—8-Ft. Perforated Clay-Grinding Pan and Elevators; manufactured by the Exhibitor. Price £180.

9983—2 Hand Screw Brick Presses; manufactured by the Exhibitor. Price £35 each.

9984—(*New Implement.*)—Patent Drying Shed, and Waggons for Drying Bricks; manufactured by the Exhibitor. Price £300.

Stand No. 472.—*Messrs. Bradley and Craven, of the Westgate Common Foundry, Wakefield, Yorkshire.*

Article 9985—16-Horse Power Patent Compound Non-Condensing Semi-Portable Engine; manufactured by Messrs. John Fowler & Co., of the Steam Plough Works, Leeds. Price £360. Fitted with high-speed governors and equilibrium throttle valve.

9986—Dry or Semi-Dry Edge-Runner Clay Mill; manufactured by the Exhibitors. Price £200. This mill is specially adapted for grinding marls, shales, and friable clays into powder. It will prepare from such material a larger quantity, and deliver it in a finer state of division, than any other system of reduction. Elevators convey the clay dust to the machine for moulding it into bricks.

9987—(*New Implement.*)—Craven's Patent Combined Clay-Mixing, Brick-Moulding and Pressing Machine; manufactured by the Exhibitors. Price £300. This machine first mixes water with the clay dust, then pugs it densely together and moulds it into bricks; after that the bricks are pressed, and on delivery from the machine are hard enough for removal direct to the kilns for burning. By this machine bricks of the greatest density are produced.

9988—Model of Foster's Patent Brick Kiln; manufactured by J. & C. J. Foster, of Normanton. The charge for license varies with the size of the kiln required, but in districts where the patent rights have not been sold, the average charge is £150. The bricks are loaded on the kiln waggons direct from the brick machine, on which they pass through the kiln, and the bricks are not again handled until removed for sale.

Stand No. 473.—*Wurr and Lewis, of 16, Walbrook, London, E. C.; and Cambridge Works, Cambridge Heath Road, London, E.*

Article 9989—Combined Circular and Band-Sawing Machine, with a Boring Table; manufactured by the Exhibitors. Price £28. For hand or steam power, and with tools complete.

9990—Improved Cross-Cutting Circular Saw Bench; manufactured by the Exhibitors. Price £15 15s. With self-acting feed, for hand or steam power.

9991—Improved Hand-Power Saw Bench; manufactured by the Exhibitors. Price £15 15s. With self-acting feed.

9992—Improved Hand-Power Morticing and Boring Machine; manufactured by the Exhibitors. Price £15 15s. With chisels and augers complete.

9993—Improved Band-Sawing Machine; manufactured by the Exhibitors. Price £12 12s.; pulleys for steam, £1 1s. extra. For hand or steam power.

9994—Improved Band-Sawing Machine; manufactured by the Exhibitors. Price £12 12s.; pulleys for steam, £1 1s. extra. For foot or steam power.

9995—Improved Band-Sawing Machine; manufactured by the Exhibitors. Price £45. With 30-in. saw pulleys.

9996—Improved Combined Circular and Band-Sawing Machine; manufactured by the Exhibitors. Price £60. With countershaft; for steam power only.

9997—Improved Plain Saw Bench, with Canting Turnover Fence; manufactured by the Exhibitors. Price £16 10s.; 30-in. circular saw, £2 10s. extra. With fast and loose pulleys for steam power.

9998—Improved Plain Saw Bench, with Canting Fence; manufactured by the Exhibitors. Price £22 10s.; 36-in. circular saw, £3 10s. extra. With fast and loose pulleys for steam power.

9999—Improved Saw Bench, with Canting Fence; manufactured by the Exhibitors. Price £60; 42-in. circular saw, £5 10s. extra. With self-acting feed arrangement.

10,000—Improved Vertical Moulding Machine; manufactured by the Exhibitors. Price £25 10s. With countershaft complete.

10,001—Improved Mortar Mill, with Pan 6 Ft. Diameter; manufactured by the Exhibitors. Price £60.

10,002—Improved New Friction Hoist, to Work by a Belt from Engine; manufactured by the Exhibitors. Price £15. For raising light weights at a quick speed.

Stand No. 474.—*Charles Powis, Carter and Morris, of Millwall Pier, and 60, Gracechurch Street, London, E. C.*

Article 10,003—8-Horse Power Steam-Jacketed Single Cylinder Portable Steam Engine; manufactured by the Exhibitors. Price £210. This engine possesses all recent improvements; the cylinder is steam jacketed. The fire-box is constructed to burn all kinds of cheap fuel, viz., coke, chips, sawdust, &c., and is mounted on four strong travelling wheels.

10,004—4-Horse Power Independent Vertical Steam Engine and Boiler; manufactured by the Exhibitors. Price £110. This engine is made entirely independent from the boiler, and is fixed on a massive foundation plate, and is fitted with new patent governors.

10,005—Improved Double Cylinder Portable Steam Crane; manufactured by the Exhibitors. Price £480. This crane is fitted with self-propelling motion, and is capable of raising, lowering, slewing completely round, and carrying a load of five tons.

10,006—Combined 6-Horse Power Vertical Engine and Grinding Mill; manufactured by the Exhibitors. Price £200. This mill is suitable for crushing cake, coprolites, cement, mortar, clay, &c.

10,007—Joiner Universal; manufactured by the Exhibitors. Price £200. This machine is fitted with patent arrangements, independent spindles for sawing, planing, moulding, grooving, tenoning, morticing, boring, tongueing, and beading, either separately or at one operation.

10,008—Wood Planing and Trying Up Machine; manufactured by the Exhibitors. Price £150. This machine will plane thickness and true up scantlings of any dimensions; 12 by 12 by 12 ft. long, and fitted with side cutters for edging and grooving boards.

10,009—Estate Carpenter; manufactured by the Exhibitors. Price £75. This machine is suitable for preparing joining work on gentlemen's estates; it will saw a thickness up to 12 in. deep, and is fitted with boring apparatus.

10,010—Self-Acting Saw Bench; manufactured by the Exhibitors. Price £60. This bench is adapted for cutting timber, deals, and

scantlings. The frame is cast in one piece, whereby great strength is obtained; the table top is planed; the spindle runs in three gun-metal bearings, the outer end of which is supported by an independent standard or bracket.

10,011—Endless Band-Sawing Machine; manufactured by the Exhibitors. Price £50. This machine is made with a canting table for cutting any kind of angular or irregular forms, and is fitted with our patent tension apparatus for preventing breakages to saws.

10,012—Patent Combined Circular and Vertical Moulding Machine, with Countershaft; manufactured by the Exhibitors. Price £75.

10,013—Hand - Power Circular and Band-Sawing Machine; manufactured by the Exhibitors. Price £26 10s.

10,014—Improved Hand Power Circular and Band-Sawing Machine; manufactured by the Exhibitors. Price £23 10s.

10,015—Hand-Power Morticing Machine; manufactured by the Exhibitors. Price £12.

10,016—New Patent Vertical Moulding Machine; manufactured by the Exhibitors. Price £45. This vertical moulding machine is fitted with a single spindle, and is capable of working all kinds of irregular mouldings, either with or against the grain of the wood, instantaneously, at the will of the operator.

10,017—New Patent Continuous Rotary and Self-Lubricating Brick Making Machine; manufactured by the Exhibitors. Price £185. This machine (an entirely new invention) grinds, pugs, moulds and presses plastic clay into double pannelled bricks at one operation, and is specially adapted for the manufacture of rectangular bricks from plastic clay, as it is dug from its natural bed, or from any other material which is made into a plastic state.

Stand No. 475.—*J. C. Stark and Co., of 13, Strand, Torquay, Devon.*

Article 10,018—(*New Implement.*)—Patent Combined Circular Saw and Band-Sawing Machine; manufactured by the Exhibitors. Price £33 10s. Fitted with adjustable boring apparatus and saw sharpener or gulletor; will take a saw 6 ft. in diameter. (*For Trial.*)

10,019—(*New Implement.*)—Machine on the same Principle, to work by Hand Power; manufactured by the Exhibitors. Price £28 10s. (*For Trial.*)

10,020—(*New Implement.*)—Circular Saw Bench and Boring Apparatus; manufactured by the Exhibitors. Price £12. With fence to cut level and boring apparatus; fitted with rising table.

10,021—(*New Implement.*)—Patent Band Saw and Saw Sharpener or Gulletor; manufactured by the Exhibitors. Price £24.

10,022—(*New Implement.*)—Patent Self-Acting Water Engine or Ram; manufactured by the Exhibitors. Price £16. For irrigation, mill ponds, or house purposes; with a fall of 10 ft. it will raise water 200 ft. high. (*For Trial.*)

10,023—Haag's Patent Water Motor; manufactured by Bailey and Co., of Manchester. Price £13. 1-horse power.

Stand No. 476.—*F. W. Reynolds and Co., of*
73, Southwark Street, and the Grove, London, S.E.

Article 10,024—Hand or Steam Power New Patent Band-Sawing Machine, "The Comet." Price £11 11s., hand power; £12 12s. steam power.

10,025—Hand Power Patent Band-Sawing Apparatus, adapted for fixing to a Carpenter's Bench, "The Princess;" will cut up to 6 inches thick. Price £8 8s.

10,026—Hand or Steam Power Patent Band-Sawing Machine, "The Imperial." Price £12 12s., for hand power; £13 13s., for steam power.

10,027—Steam-Band Sawing Machine, 42-In. Pulleys; with canting table. Price £50.

10,028—Self-Acting Steam Saw Bench, to take a 42-In. Saw. Price £50, without saw.

10,029—Circular Steam-Sawing Bench, "The Contractors," with Rising and Falling Spindle, and Canting Fence. Price £35, with 30 in. saw.

10,030—Hand or Steam Power Circular Saw Bench, "The Imperial;" with Rising and Falling Spindle. Price £14 10s., hand power; £15 10s., steam power.

10,031—Hand or Steam Power Patent Combination Circular and Band-Sawing Machine, "The Imperial." Price £22, hand power; £24, steam power; £2 extra, boring apparatus.

10,032—(*New Machine.*)—Steam Power New Patent Combination Circular and Band-Sawing Machine, "The Briton," No. 1. Price £35; £2 10s. extra with boring apparatus.

10,033—Morticing Machine, "The Monarch" Patent. Price £12; £1 10s. extra with boring apparatus.

10,034—Morticing Machine, "The Royal" Patent. Price £14 10s; £3 5s. extra, boring apparatus.

10,035—Morticing Machine, "The Eclipse" Patent; with Chisels and Core-drivers. Price £16 16s.

10,036—Double Action Morticing, Boring, and Core-Driving Machine, "The London" Patent; with Chisels and Core-drivers. Price £18 18s.

10,037—(*New Machine.*)—New Patent Multiple Action Morticing, Boring, Core-Driving, and Tenoning Machine, "The Southwark." Price £21.

10,038—Blind Pulley Head Morticing Machine, "The Universal." Price £4 4s.

10,039—Blind Lath Punching Machine, "The Universal." Price £1 15s.

10,040—Self-Acting Blind Lath Painting Machine, "Roberts Patent." Price £25.

10,041—Pair of Patent Floor Cramps, "The Crown." Price £1 10s. each.

10,042—Pair of Floor Cramps, Malleable Iron "The Imperial." Price £1 6s. each.

10,043—Mitre Cutter (Shute's Patent); to take $5\frac{1}{2}$ in Mouldings. Price £3 5s.

10,044—Angular Boring Machine. Price £1 10s.; set of nine augers for ditto, £1 6s.

10,045—5-Ft. Bench Cramp; Iron Mounted. Price £1 10s. 6d.

10,046—Double Slate Holer "The Acme"; will take 14-in. slate. Price £6 6s.

10,047—Planing Machine for Wood; will plane up to 14-in. Price £52 10s.

10,048—Drilling Machine for Iron, No. 1. Price £5, hand power.

10,049—Drilling Machine for Iron, No. 3. Price £8 5s., hand power; £9, hand and steam power.

10,050—Drilling Machine for Iron, No. 6. Price £14 10s., hand power; £16, hand and steam power.

10,051—Glue Melting Apparatus, No. 1; complete with cocks. Price £7 10s.

10,052—Glue Melting Apparatus, No. 2; complete with cocks. Price £5.

10,053—Mortar Mixing Mill, "The London," with Shutter and Fly Wheel. Price £12.

10,054—6-Horse Power High Pressure Horizontal Steam Engine and Vertical Boiler, on Wheels; with fittings complete. Price £150.

10,055—Improved Portable Contractor's Engine, with Patent Feed Water Heater and Patent Steam Blast Tube Cleaner; eight-horse power. Price £210.

10,056—6-Ft. 6-In. Mortar Mill, with new Improvements, "The Spécialité." Price £75.

Stand No. 477.—*H. J. West and Co., of Stamford Works, Great Suffolk Street, London, S.E.*

Article 10,057—6 Cwt. Patent Pure Transparent Block Ice Making Machine, with Patent Contracting Agitators; manufactured by the Exhibitors. Price £186, including steam engine and steam boiler. The blocks weigh 60 lbs. each. Largely used in all parts of the world for cooling meat, stores, &c., and refrigerating purposes generally. These machines are made in sizes from 20 lbs. hourly up to 50 tons daily. (*See Machines in Motion.*)

10,058—Patent Supplementary Ice Box; manufactured by the Exhibitors. Price £10 10s. This ice box makes pure ice in blocks of 7 lbs. to 3 cwt. each. Freezes water or other liquids in bottles (carafees), makes ice pyramids or pillars to stand on the dinner table; also makes 3 quarts of ice creams.

10,059—Family Ice Machine by Hand Power; manufactured by the Exhibitors. Price £14 14s. This ice machine makes half a pound of ice in two minutes by hand. Makes 3 lbs. of block ice in 20 minutes, or cools 2 quarts of wine or water in 2 minutes. The means of cooling or freezing always to hand.

10,060—Hand Ice Making Machine; manufactured by the Exhibitors. Price £2 2s. This machine makes pure ice or 1 quart of ice creams by using rough ice and salt or freezing powders. Other sizes may be had.

10,061—Rotary Hand Ice Machine; manufactured for the Exhibitors by Brown & Co., of London. Price £3 10s. Tosselli's patent rotary ice churn, produces transparent ice, ice creams, cools water, or ices wine for family use by means of freezing powders, or the inexhaustible freezing compound made expressly for this machine and used continuously. Price of the compound 2s. 6d. per lb. Larger sizes are made.

10,062—Improved Freezing Pot; manufactured by the Exhibitors. Price 10s. 6d. Freezing pot for making ice creams. Smaller and larger sizes are made.

10,063—Ice Pillar Mould; manufactured by the Exhibitors. Price 10s. Fancy pattern ice pillar mould for making ice puddings; this makes 1½ pint. A variety are kept in stock.

10,064—Ice Water Jug; manufactured by the Exhibitors. Price 8s. Ice water jug in frosted glass, best make.

10,065—Ice Water Jug; manufactured by the Exhibitors. Price 12s. For icing wine or water without allowing the ice to come in contact with the liquid. The ice is put into the hollow pouch which projects into the jug.

10,066—Water Cooler; manufactured by the Exhibitors. Price 8s. 6d. Water cooler made of porous terra-cotta ware. Water becomes refreshingly cool in these vessels, from percolating slowly through the unglazed earthenware.

10,067—Improved Seltzogene; manufactured by the Exhibitors. Price 15s. Improved seltzogene, 3 pint size, by which any person can make their own soda water, lemonade, ginger beer, seltzer water, eau de Vichy, &c.

10,068—Improved Syphon Bottle. Price £1 4s. per dozen. Improved syphon bottle for supplying bottled mineral waters. They are made in white, blue, or green glass.

10,069—Self-Closing Soda Water Bottle; manufactured by the Exhibitors. Price 6s. per dozen. This self-closing stoppered bottle, when filled with soda water, lemonade, seltzer or other liquid, allows the whole or any portion to be drawn off at will.

10,070—Patent Stopper Soda Water Bottle; manufactured by Davenport & Co. Price £1 14s. per gross. Sample bottle of Davenport's patent stopper soda water bottle. The stopper will fit any bottle. Price of stoppers without bottle, 16s. 6d. per gross.

10,071-10,072—Lime Juice and Fruit Essences. Price 4s. per bottle. A sample bottle of strawberry juice made from best fresh fruit for flavouring drinks. Raspberry, currant and pine apple juices are also kept in stock. A sample bottle of best West India lime juice cordial.

Stand No. 478.—*Polyblank and Co., of Newton Abbot, Devon.*

Article 10,073—(*New Implement.*)—**Knowling's Patent Band-Sawing Machine, No. 1, 30-In.**; manufactured by the Exhibitors. Price £45. This machine will cut timber at a varying bevel, the table always keeping its horizontal position, thereby relieving the saw from all undue strain; is also fitted with a perfectly sensitive tension apparatus.

10,074—(*New Implement.*)—Knowling's Patent Band-Sawing Machine, No. 2, 36-In.; manufactured by the Exhibitors. Price £55. This machine will cut timber at a varying bevel, the table always keeping its horizontal position, thereby relieving the saw from all undue strain; is also fitted with a perfectly sensitive tension apparatus.

10,075—(*New Implement.*)—Knowling's Patent Combined Circular Band-Sawing and Boring Machine, "The Victor"; manufactured by the Exhibitors. Price £58. For circular sawing up to 12 in., band sawing up to 8 in., boring up to 2 in., grooving, tenoning, rabbetting, cross cutting, &c.

10,076—(*New Implement.*)—Knowling's Patent Combined Circular Band-Sawing and Boring Machine, "The Monarch," for Hand or Steam Power; manufactured by the Exhibitors. Price £27 10s. For circular sawing up to 5 in., band sawing up to 5 in., boring up to 1½ in., tenoning, grooving, rabbetting, cross cutting, &c.

10,077—(*New Implement.*)—New Automatic Saw Gulleting and Sharpening Machine; manufactured by the Exhibitors. Price £25. For sharpening and gulleting circular and frame saws by self-acting arrangement.

10,078—Case of 45 Samples of Devonshire Iron Oxide Paints of Various Colours; manufactured by The Torbay and Dart Paint Co., of Dartmouth and London. Price £1 10s. 6d. to £4 per cwt., according to colour.

Stand No. 479.—*Smith and Coventry, of Ordsall Lane, Manchester.*

Article 10,079—6-In. Patent Open Spindle Capstan Rest Chasing Lathe; manufactured by the Exhibitors. Price £73. For turning studs, screws, pins, &c., from bar; also for turning the heads and points of screws and bolts.

10,080—Cooper's Patent Lathe for Brass Finishing; manufactured by the Exhibitors. Price £100. Suitable for turning and chasing all descriptions of engineers' brass work. Can be set for accurate and quick reproduction in large quantities, but is also quick and handy for jobbing.

10,081—Thornes' Patent Portable Drilling Machine; manufactured by the Exhibitors. Price £34. Especially adapted for drilling pieces of work which are inconvenient to move; can be quickly fixed, and will drill at any angle, in any position, and in any direction from the power.

10,082—Improved Double Geared Universal Milling Machine; manufactured by the Exhibitors. Price £120. Adapted for every description of plain milling; also for cutting rhymer, twist drills, taps, cylindrical face and taper milling cutters with either parallel or spiral flutes, spur bevel, worm and scroll wheels, &c.

10,083—Improved Universal Cutter Grinding Machine; manufactured by the Exhibitors. Price £27. Will grind accurately milling cutters up to 8 in. diameter and 6-in. wide. Parallel, conical or angular formed. Cut either straight or spiral.

10,084—Patent 1-In. Screwing Machine; manufactured by the Exhibitors. Price £43. To screw bolts from ½ in. to 1 in. of any length with once running up; also for tapering nuts to the above sizes if required. This machine will screw seven ½-in. bolts in two minutes—a production twice as great as that of the ordinary machines.

10,085—Improved Duplex Bolt Sliding Lathe, 6-In. Centres ; manufactured by the Exhibitors. Price £60. For turning the shanks and facing under the heads of bolts, screws, &c. Arranged that two tools may be set to rough and finish sliding a bolt by traversing once over it ; by this means a $\frac{1}{2}$ -in. screw, 3 in. long, can be slid to a perfect finish in 50 seconds.

Stand No. 480.—*J. Rhodes and Sons, of Grove Iron Works, Wakefield, Yorkshire.*

Article 10,086—No. 3 Drawing Press for Strap Power ; manufactured by the Exhibitors. Price £240.

10,087—30-In. Guillotine Squaring Shears, to Work by the Foot ; manufactured by the Exhibitors. Price £9 10s.

10,088—24-In. Shearing Machine, for Strap Power, to Cut $\frac{1}{2}$ -In. Plate ; manufactured by the Exhibitors. Price £20.

10,089—18-In. Straight Cutting Circular Shearing Machine, to Cut $\frac{1}{2}$ -In. Plates, any Length ; manufactured by the Exhibitors. Price £32.

10,090— $\frac{1}{2}$ -In. Punching and Shearing Machine, for Hand or Power ; manufactured by the Exhibitors. Price £30.

10,091—Machine (Patent) for Forming Moulds on Travelling Trunks ; also Folding and Edging Machine ; manufactured by the Exhibitors. Price £25.

10,092—Portable Drilling Machine ; manufactured by the Exhibitors. Price £5 5s.

10,093—Patent Coke Crushing Machine, for Hand or Power ; manufactured by the Exhibitors. Price £15.

10,094—No. 5 Spinning Lathe for Tin Goods, for Strap Power ; manufactured by the Exhibitors. Price £90.

10,095—No. 2 Power Cutting Out Press for Tin Goods, for Strap Power ; manufactured by the Exhibitors. Price £38.

10,096—No. 4 Power Cutting Out Press for Tin Goods, for Strap Power ; manufactured by the Exhibitors. Price £70.

10,097—Combined Morticing, Boring and Tenoning Machine, Complete, with Chisels, &c. ; manufactured by the Exhibitors. Price £18 10s.

10,098—Combined Morticing and Boring Machine, Complete, with Chisels, &c. ; manufactured by the Exhibitors. Price £15.

10,099—Cutting, Drawing and Stamping Press for Tin Goods, for Strap Power ; manufactured by the Exhibitors. Price £150.

10,100—Oil Can Spout Forming Machine, for Hand Power ; manufactured by the Exhibitors. Price £3 10s.

10,101—Power Beading Machine, for Tin Goods ; manufactured by the Exhibitors. Price £5.

10,102—Screw Press for Cutting Out Saw Teeth ; manufactured by the Exhibitors. Price £10.

10,103—No. 5 Power Cutting Out Press for Sheet Metals, for Strap Power ; manufactured by the Exhibitors. Price £20.

10,104—Folding Machine for Tin Goods; manufactured by the Exhibitors. Price £6.

10,105—Screw or Fly Press for Tin Goods; manufactured by the Exhibitors. Price £5 15s.

10,106—Disqualified—Informal entry.

Stand No. 481.—*Messrs. Chapman and Sutton, of Vulcan Iron Works, Limehouse, London, E.*

Article 10,107—2-Horse Power Combined Vertical Engine and Boiler; manufactured by the Exhibitors. Price £55. Complete on water tank base.

10,108—3-Horse Power Combined Horizontal Engine and Vertical Boiler; manufactured by the Exhibitors. Price £75. With governors, feed-pump, and fly-wheel; on cast-iron base, complete.

10,109—4-Horse Power Combined Horizontal Engine and Vertical Boiler; manufactured by the Exhibitors. Price £110. With friction hoist, governors, feed-pump, and fly-wheel; on cast-iron base.

10,110—Chaff-Cutter; manufactured for the Exhibitors. Price £8 8s. For hand or steam power; has 9½-in. mouth, very strongly made, the fly-wheel inside frame, and fitted with safety apparatus.

10,111—Chaff-Cutter; manufactured for the Exhibitors. Price £4 7s. 6d. For hand power; has 8-in. mouthpiece, case hardened, cover over gearing, and heavy fly-wheel.

10,112—Saw Bench; manufactured by the Exhibitors. Price £16. Will take 24-in. saw, planed table and fence, frame cast solid with table, very strong.

10,113—Counter Shaft and Pulleys; manufactured by the Exhibitors. Price £5. Running in a pair of self-lubricating bearings.

10,114—Steam Winch or Hoist; manufactured by the Exhibitors. Price £65. Double cylinders, double-gearred, with reversing gear and brake.

10,115—Self-Lubricating Bearing; manufactured by the Exhibitors. Price £3 15s. For 4-in. shafting.

10,116—Self-Lubricating Bearing; manufactured by the Exhibitors. Price £1 2s. 6d. For 2½-in. shafting.

10,117—“Paragon” Plummer Block; manufactured by the Exhibitors. Price £3 3s. For 4-in. shafting.

10,118—“Paragon” Plummer Block; manufactured by the Exhibitors. Price £1 7s. For 2½-in. shafting.

Stand No. 482.—*Henry Tittley and Son, of Alton Works, Smethwick, Staffordshire.*

Article 10,119—Combined Engine and Boiler; manufactured by the Exhibitors. Price £68. Engine 3-horse power expansive horizontal, with vertical boiler combined, on water tank base plate.

10,120—Vertical Combined Engine; manufactured by the Exhibitors. Price £68. Engine 3-horse power vertical, combined with vertical boiler on tank base plate, forming feed-water heater, complete with pump, governors, and turned fly-wheels.

10,121—Horizontal Expansive Engine; manufactured by the Exhibitors. Price £68. 8-horse power, complete with pump, governors, fly-wheels turned, cylinders lagged with polished mahogany.

10,122—Horizontal Engine; manufactured by the Exhibitors. Price £36. 4-horse power expansive, fitted with steel piston-rods, pump, and governors, fly-wheels turned, cylinders lagged with polished mahogany.

10,123—Horizontal "London" Engine; manufactured by the Exhibitors. Price £45. 6-horse power, finished bright, piston and valve rods, steel eccentric straps, cylinder glands, pump, valve boxes, air-vessel and plunger, all of gun-metal, bent crank shafts, bright throughout, fly-wheels turned, and may be placed on either side of the engine.

10,124—Horizontal "London" Engine; manufactured by the Exhibitors. Price £34. 4-horse power, finished bright-steel piston and valve rods, eccentric straps, glands, pump, valve boxes, air-vessel and plunger, of best gun-metal, bright bent crank shafts, to drive from either side of the engine, complete with governors, stop-valve, and turned fly-wheels.

10,125—7-Ft. Mortar Mill of Improved Construction; manufactured by the Exhibitors. Price £58.

10,126—Circular Saw-Bench; manufactured by the Exhibitors. Price £17 10s. For 30-in. saw.

Stand No. 483.—*Thomas Robinson and Son, of Rochdale, Lancashire.*

Article 10,127—6-Horse Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £150.

10,128—(*New Implement.*)—Patent Stone-Dressing Machine; manufactured by the Exhibitors. Price £350.

Stand No. 484.—*John Weighell, of the Albert Foundry, Pickering, Yorkshire.*

Article 10,129—R. A. S. E. (Oxford) First Prize Corn-Grinding Mill; manufactured by the Exhibitor. Price £37. Mounted on strong oak frame, and fitted with best Derbyshire Peak stones, 3 ft. diameter. In motion.

10,130—First Prize Corn-Grinding Mill; manufactured by the Exhibitor. Price £52 10s. Mounted on strong oak frame, and fitted with best French burr stones, 3 ft. diameter. In motion.

10,131—First Prize Corn-Grinding Mill; manufactured by the Exhibitor. Price £26 10s. Mounted on strong oak frame, and fitted with best Derbyshire stones, 2 ft. 6 in. diameter.

10,132—First Prize Corn-Grinding Mill; manufactured by the Exhibitor. Price £58. Mounted on strong oak frame, and fitted with best French burr stones, 3 ft. 6 in. diameter.

10,133—First Prize 2-Horse Power Thrashing Machine; manufactured by the Exhibitor. Price £12 10s. Suitable for small occupations and exportation; can be worked with two light horses.

10,134—First Prize 2-Horse Gear; manufactured by the Exhibitor. Price £13 10s. Suitable for driving Article No. 10,133, also chaff cutters, grist mills, pulpers, &c.

10,135—First Prize 6-Horse Power Portable Steam Engine; manufactured by Barrows and Steward, of Banbury. Price £180. Has extra large fire-box of Bowling iron; suitable for general agricultural purposes.

Stand No. 485.—*D. Hald and Co., of 24, Great Winchester Street, London, E.C.*

Article 10,136—Corn-Grinding Mill; manufactured by Mr. L. Lönnerberg, of Södertelje, Sweden. Price £35. This mill has two vertical 18-in. stones; the runner is fitted in a cast-iron drum supplied with wings, which act as blower for bringing out and cooling the flour; the distance between the stones is easily adjusted by a very simple apparatus. Steam power required, 4 to 6-horse power. (*For Trial.*)

10,137—Corn-Grinding Mill; manufactured by Mr. L. Lönnerberg. Price £25. This mill is in every respect like the above-mentioned (Article No. 10,136), with the exception that it has only 12-in. stones.

Stand No. 486.—*Henry Simon, of St. Peter's Square, Manchester.*

Article 10,138—(*New Implement.*)—Daverio's Patent 3-High Roller Mill and Detacher; manufactured for the Exhibitor. Price £75. For cracking and cleaning wheat previous to further granulation by Daverio's roller process. Fitted with all improvements mentioned below; 3 chilled iron rolls in these mills do the same work as 4 rollers in other mills, and use much less power; similar mills serve for softening and reducing middlings.

10,139—(*New Implement.*)—Daverio's Patent 3-High Roller Granulating Mill; manufactured for the Exhibitor. Price £91 10s. With fluted rollers for granulating wheat entirely without millstones, and producing semolina without pulverising the bran; specially adapted for English requirements and English wheat; fitted with patent improved cross feed, differential speed, and patent arrangements for effectively reducing frictional resistance.

10,140—(*New Implement.*)—Daverio's Patent High-Pressure Grinding Roller Mill; manufactured for the Exhibitor. Price £105. Fitted with Daverio's patent improvements as mentioned above, and adapted for grinding the finest middlings with high pressure. All the above mills attain a maximum of production with a minimum of power and space, and are provided with a hand lever for instantaneously throwing rolls out of action.

10,141—(*New Implement.*)—Seck's Patent Universal Dressing Machine; manufactured for the Exhibitor. Price £75. For dressing meal, semolina, fine middlings, and flour, all at one operation, with one cylinder in two parts; a shorter one for the coarser and sharper, and a longer one for the fine portions of the meal, thus saving the wear of the silk.

10,142—Diagram of Daverio's Roller Mill Process for producing Austrian Flour from English Wheats, entirely without Millstones, elucidated by Samples of the different Products from the successive operations.

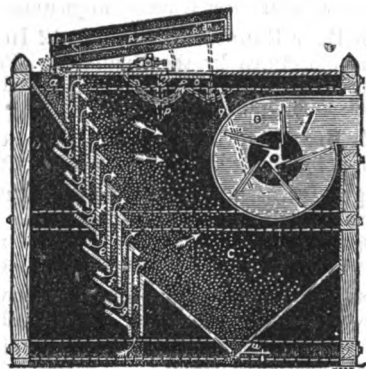
10,143—(*New Implement.*)—New Patent Gas Motor of 3-Horse Power capacity; manufactured for the Exhibitor. Price £120.

10,144—Diagram of Gallaud's Patent Pneumatic Malting, accompanied by Samples of malt, and explanatory of the Principle and Advantages of Gallaud's Patent Malting Process as now adopted by many first class English brewers.

Stand No. 487.—*James Walworth and Co., of the Albert Works, Bradford, Yorkshire.*

Article 10,145—(*New Implement.*)—Patent Challenger Aspirating Middlings Purifier; manufactured by the Exhibitors. Price £90.

10,146—(*New Implement.*)—Walworth's Centrifugal Flour-Dressing Machine; manufactured by the Exhibitors. Price £65. For dressing either wheat meal or ground middlings.



10,147—(*New Implement.*)—Patent Wheat, Rice, and Seed Aspirator and Separator; manufactured by the Exhibitors. Price £45. (*For Trial.*)

10,148—(*New Implement.*)—Walworth's New Chilled Iron Roller Mill; manufactured by the Exhibitors. Price £70. For grinding middlings.

10,149—Pair of Elevators; manufactured by the Exhibitors. Price £5. For elevating wheat and every description of seeds.

10,150—Bran Duster and Offal Separator; manufactured by the Exhibitors. Price £27. Fitted with outside brush and revolving cylinder.

10,151—Flour Feeder and Mixer; manufactured by the Exhibitors. Price £5.

10,152—Patent Malt and Barley Separator and Aspirator; manufactured by the Exhibitors. Price £45.

10,153—Walworth's Fire-Proof Wheat Cleaner; manufactured by the Exhibitors. Price £80. With separator and aspirator combined; to clean 150 bushels per hour.

10,154—Length of Iron Worm in Iron Case; manufactured by the Exhibitors. Price 10s. per foot. For conveying every description of grain.

10,155—Unique Smut Machine for Small Mills; manufactured by the Exhibitors. Price £12.

10,156—6-Horse Power Vertical Engine and Boiler on Wheels; manufactured by E. S. Hindley, of Bourton, Dorset. Price £128.

Stand No. 488.—*Whitmore and Binyon, of the Iron Works, Wickham Market Suffolk; and 28, Mark Lane, London, E.C.*

Article 10,157—Double Iron-Framed Corn Grinding Mill, with 42 in. diameter French Burr Stones and Improved Fittings; manufactured by the Exhibitors. Price £140. Constructed with extra strong framework of neat design. Strongly recommended for exportation. Can be sent in parts neatly packed. Whitmore & Co. were awarded an "Honourable Mention" for their fixed mill machinery at the last London International Exhibition.

10,158—French Burr Runner Mill Stone, 42 In. Diameter, with "Dress" Inserted; manufactured by the Exhibitors. Price £12 5s. Constructed of burrs from the famous Villaine quarries, and fitted with improved balance boxes and sockets for crane.

10,159—French Burr Bed Stone, 42 In. Diameter, with "Dress" Inserted; manufactured by the Exhibitors. Price £11 10s.

10,160—Wrought-Iron Crane, for Hoisting Runner Mill Stone; improved and manufactured by the Exhibitors. Price £7 10s. A useful appendage in grinding machinery, and a great saving of manual labour, conveniently superseding the use of pulley blocks or other like appliances.

10,161—Endless Band Meal Collector and Conveyor; improved and manufactured by the Exhibitors. Price £8. Fitted with metal heads and means for adjustment of the band whilst in motion, preferable (for meal or flour) to a worm, and takes less power.

10,162—Elevator, for Meal or Flour; improved and manufactured by the Exhibitors. Price £14 18s. Fitted with metal heads, interior pulleys, band, cups, adjustable bearings, and driving motions.

10,163—Machine for Dressing Flour through Silk; designed and manufactured by the Exhibitors. Price £42, including the cross head driving motions and silk cloth. Constructed with wrought-iron tubular trussed reel, flour conveyor, and other improved appendages. Requires little power to drive, and wear and tear is reduced to a minimum.

10,164—Patent Middlings Purifier; invented by Louis Gathmann; manufactured by Collins & Gathmann, of Chicago. Price £100. Known by the name of the "Garden City" purifier; a compact and highly efficient machine for operating upon middlings prior to re-grinding. Awarded the highest award at the Centennial Exhibition.

10,165—(*New Implement.*)—Small Independent Iron Grinding Mill, Fitted with 30-In. French Stones; designed and manufactured by the Exhibitors. Price £45. A strong and useful little mill, suitable for agricultural requirements, or, as in the present instance, specially adapted for grinding middlings after being purified; the bottom stone is made to revolve, and the fittings are of the most improved and complete description.

10,166—(*New Implement.*)—Patent Porcelain Roller Mill; invented, improved, and manufactured by Mr. Wegmann, of Zurich. Price £85. A recently introduced machine for the primary crushing of wheat or the reduction of middlings after grinding. The power required is small, the wear and tear slight. Perfect self-adjustment and simplicity in all its parts.

10,167—Elevator for Grain; improved and manufactured by the Exhibitors. Price £12 8s. Similar in construction to Article No. 10,162, but more especially suited for grain.

10,168—Worm or Screw Conveyor; improved and manufactured by the Exhibitors. Price £10 7s. With wrought-iron tubular shafts; the blades threaded on spiral turned grooves. They are made in wrought-iron, galvanized if required, and in cast metal of all sizes and strengths, with continuous or intermittent blades, for grain, cement, coprolite, &c.

10,169—Vertical Wheat Scourer or Smut Machine, Ashby's Patent; improved and manufactured by the Exhibitors. Price £29 10s. A strong, compact, and effective machine, fitted with improved sifter, iron-beaters, and blast-fan.

10,170—Fireproof Grain Cleaning and Separating Machine; invented by Patrick Murdoch; improved and manufactured by the Exhibitors. Price £44 10s. A simple and effective machine. Its independent form of construction, which is entirely of iron, admits of its being placed in any part of a mill or granary without the risk of fire.

10,171—Wheat Brushing and Cleaning and Separating Machine, Becker's Patent; manufactured by the Eureka Manufacturing Company, of the United States; Whitmore & Binyon, sole agents. Price £70. Constructed with conical shaped cylindrical brush, capable of adjustment when in motion; will scour, polish, and separate at same time. Awarded the medal and diploma at the Centennial Exhibition in competition with all others.

10,172—Exhausting Fan; invented, improved, and manufactured by the Exhibitors. Price £8 10. Fitted with metal fan in iron case, with compensating air chamber, improved bearings, and self-regulating valve, specially adapted for exhausting heated air from the stones in process of grinding, or dust from wheat-cleaning rooms.

10,173—Posser or Flour Sacking Apparatus for Power; invented, improved, and manufactured by the Exhibitors. Price £16. An excellent labour-saving machine in processes of sacking; adapted for establishments where motive power is obtainable.

10,174—Hand Sacking Apparatus; invented, improved, and manufactured by the Exhibitors. Price £3 15s. A simple labour-saving apparatus, superseding the necessity for the lever or "jigger" apparatus; fitted with throttle valve, leather couplings, and improved clip fastenings.

10,175—Single-Handled Sack Barrow, on Iron Wheels; improved and manufactured by the Exhibitors. Price 15s.

10,176—Double-Handled Sack Barrow, on Iron Wheels; improved and manufactured by the Exhibitors. Price 16s. 6d.

10,177—16-Horse Power (Nominal) Horizontal Steam Engine; improved and manufactured by the Exhibitors. Price £259. Improved adjustable expansion valve and gearing arranged for regulation whilst in motion; improved governor and other usual fittings of the best description. W. & Co. awarded Prize Medal for good work in horizontal steam engine at the last London International Exhibition.

10,178—Table of Models of Agricultural and Milling Requisites; improved and manufactured by the Exhibitors. (*Not for Sale.*)

Stand No. 489.—*Siebe and Gorman, of Mason Street, Lambeth, S.E.*

Article 10,179—Machine to Produce 5 Cwt. of Transparent Block Ice every 24 Hours; manufactured by the Exhibitors. Price £210. Entirely a new machine throughout.

10,180—Improved Ice Safe for Storing Ice and Cooling Edible Articles of Food; manufactured by the Exhibitors. Price £6 6s.

Stand No. 490.—*Cecil L. Wray & Co., of Newbury, Berkshire.*

Article 10,181—Silk Flour Dressing Machine and Middlings Duster; manufactured by the Exhibitors. Price £75. A patent conical centrifugal silk dressing machine, simply and substantially built. It requires small space and power, and is equally adapted for dressing meal, dusting middlings, or redressing flour.

10,182—(*New Implement.*)—Patent Fire-Proof Middlings Purifier; manufactured by Thompson and Williamson, of the Grove, Wakefield. Price £42. The patent $\hat{\text{T}}$ middlings purifier is simple in construction and fireproof. It stands in a 2-ft. circle, requires very little power, and scarcely any attention.

10,183—Patent Vertical Mill for Grinding Middlings; manufactured by A. Barrow and Co., of Church Road, Stanley, Liverpool. Price £63. This machine consists of a pair of vertical stones of small diameter, entirely encased in iron, with a new method of adjusting the runner, and is admirably adapted for grinding middlings. It stands on about 1 square yard, and requires very little power.

Stand No. 491.—*Theo. M. Clarke, of Bury, Lancashire.*

Article 10,184—Sutcliffe's Patent Centrifugal Flour Dressing Machine; manufactured for the Exhibitor. Price £80.

10,185—Sutcliffe's Patent Combined Middlings Duster and Purifier; manufactured for the Exhibitor. Price £125.

10,186—Schaeffer's Patent Magnetic Corn Purifying Apparatus; manufactured by G. Schaeffer, of Göppingen, Germany. Price £20.

10,187—7-Horse Power Portable Steam Engine, and Patent Automatic Variable Expansion; manufactured by E. R. & F. Turner, of Ipswich. Price £205.

10,188—Pair French Burr Millstones, 4 Ft. Diameter, Turned by Diamond Lathe; manufactured for the Exhibitor. Price £30 per pair. Thickness of solid joint guaranteed; lined out with improved dress for high grinding and granulating.

Stand No. 492.—*Buckholz and Co., of the Royal Flour Mills, Vauxhall, London; S.E.*

Article 10,189—Double Grinding Mill, Fitted with Smooth Rollers; manufactured by Ganz & Co., of Buda-Pest, Hungary. Price £260. This machine is fitted with Mechwart's patented anti-friction spring pressure adjustment ring, and designed for economy of space, requiring but little more room than a single mill.

10,190—Single Grinding Mill, Fitted with Smooth Rollers; manufactured by Ganz & Co. Price £105. This machine is fitted with Mechwart's patented anti-friction ring, and is specially designed for heavy work and large capacity.

10,191—Single Grinding Mill, Fitted with Smooth Rollers; manufactured by Ganz & Co. Price £85.

10,192—Single Grinding Mill, Fitted with Fluted Rollers; manufactured by Ganz & Co. Price £109. This machine is fitted with Mechwart's patented anti-friction ring, and patented noiseless cast-iron spur gearing, and is designed for heavy work as well as large capacity.

10,193—(*New Implement.*)—Hand Roller Mill; manufactured by Ganz & Co. Price £40. This machine has been designed for the use of farmers and colonists for grinding wheat for household purposes, as well as crushing every description of feeding stuffs.

Stand No. 493.—*Bryan Corcoran, Jun., of 31 and 34, Mark Lane, London, E.C.*

Article 10,194—Pair 4-Ft. French Runner Millstones; manufactured by the Exhibitor. Price £30.

10,195—4-Ft. French Runner Millstones; manufactured by the Exhibitor. Price £14 10s.

10,196—4-Ft. French Bedstone; manufactured by the Exhibitor. Price £15 10s.

10,197—4-Ft. Peak Runner Millstone; manufactured by the Exhibitor. Price £5 6s.

10,198—Pair 4-Ft. French Millstones, for Agricultural Mills; manufactured by the Exhibitor. Price £20.

10,199—4-Ft. 6-In. Bedstone, for Coprolite or Cement Grinding; manufactured by the Exhibitor. Price £20.

10,200—(*New Implement.*)—Cabanes' Patent Middlings Separator; manufactured by H. Cabanes, of Bordeaux, for the Exhibitor, sole agent for Great Britain and Ireland. Price, complete with screen, and two extra screens, £45. Requires no stive room or fitting up.

10,201—(*New Implement.*)—Tripod Middlings Mill, with Small Millstones; manufactured by the Exhibitor. Price £12. For grinding middlings containing germ and branny particles.

10,202—(*New Implement.*)—Hunter's Patent Middlings Purifier, Large Size; manufactured by A. Hunter, of Rochester, New York. Price £80, exclusive of freight, and not including the stive room. A blast of air acts under the whole surface, which is very large, and can be regulated to thoroughly purify middlings or flour.

10,203—Small Portable Mill, with 2-Ft. French Millstones for Middlings; manufactured by the Exhibitor. Price £36 5s. For grinding middlings, or can be adapted for grist, drugs, &c.

10,204—Model Millstone Dressing Machine; invented by R. R. Smith, in case complete, with 12 Mill Bills; manufactured by the Exhibitor. Price £12. Old violet bedstone on which it works, not for sale.

10,205—Conical Vertical Mill, Ross's Patent; manufactured by the Exhibitor. Price £22. For paint and other substances that require high speed and small surface.

10,206—Sorel Cement; manufactured by Carbutt, for Exhibitor, Appointed Agent. Price £2 10s. per case. For filling cavities in, or repairing broken face of, millstones.

10,207—Corundum Rubber; manufactured by Dressen. Price 15s. 6d. each. For smoothing face of millstones.

10,208—Stone Separator, for Taking Stones from Wheat; manufactured for Exhibitor. Price £10. Will also separate different grains of same size.

10,209—Silk Gauze, for Sifting; manufactured for the Exhibitor. Price from 3s. 2d. per yard, according to mesh.

10,210—Covering for Reel of Flour-Dressing Machine, 1 Sheet, No. 6, for Reel 10 Ft.; manufactured by the Exhibitor. Price £1 7s. 6d.

10,211—Eyelet-Hole Binding, for making Coverings for Flour-Dressing Machines; manufactured by the Exhibitor. Price 5d. per yard.

10,212—Bunting, for Separating Stive in Flour Mills. Price £1 7s. 6d. per 40 yards.

10,213—Woven Wire, for Sifting Purposes; manufactured by the Exhibitor. Price from 7d. per super. ft.

10,214—Strong Woven Wire, for Minerals; manufactured by the Exhibitor. Price from 9d. per super. ft.

10,215—Centrifugal Flour-Dressing Machine; manufactured for the Exhibitor. Price £58.

10,216—Machine Wire, for Flour-Dressing Machine, for 16-In. Cylinder; manufactured by the Exhibitor. Price from 2s. 3d. per sheet, according to No.

10,217—Brushes, for Dressing Machines; manufactured by the Exhibitor. Price 2s. per ft.

10,218—Steel Springs, for Fixing Wire in Cylinders; manufactured by the Exhibitor. Price from 6d. each.

10,219—Strong Woven Wire, for Wheat Screens or Smut Machines; manufactured by the Exhibitor. Price 1s. 3d. per super. ft.

10,220—Brushes, for Smut Machines; manufactured by the Exhibitor. Price 1s. 6d. to 3s. per ft.

10,221—Mill Bills, or Picks; manufactured by the Exhibitor. Price 1s. 2d. per lb.

10,222—Wooden Thrifts, or Handles; manufactured by the Exhibitor. Price 2s. 6d. each.

10,223—Iron Thrifts, or Handles; manufactured by the Exhibitor. Price 3s. 6d. and 4s. each.

10,224—Wooden Stone Staff, for Millstones; manufactured by the Exhibitor. Price £1 10s.

10,225—Iron Millstone Proof in Case; manufactured by the Exhibitor. Price £3 2s. 6d.

10,226—Stoneman's Spectacles in Case. Price 9d. per pair.

10,227—Mill Brooms; manufactured by the Exhibitor. Price 6s. 6d. and 8s. each.

10,228—Flour Scoops; manufactured by the Exhibitor. Price from 1s. 6d. each.

10,229—Chain, made Specially for Sack Hoisting. Price 6½d. and 9d. per foot.

10,230—Pair of Pulley Blocks, 2 and 3 Sheaves, for Raising Stones; manufactured by the Exhibitor. Price £2 10s.

10,231—Miller's Flour Scales with Cradle and Weight Scale; manufactured by the Exhibitor. Price £6 10s.

10,232—Set of Corn Measures; manufactured by the Exhibitor. Price £3 the set.

10,233—Corn Screen, for Granaries, &c.; manufactured by the Exhibitor. Price £1 11s 6d.

10,234—Corn Crusher, for Maize, &c., with Fly-Wheel, to Bolt against the Wall; manufactured by Fluersheim. Price £1 15s.

10,235—Sieves for Corn; manufactured by the Exhibitor. Price from 3s. each.

10,236—Seed Sieves; manufactured by the Exhibitor. Price from 4s. 6d. each.

10,237—Corn Weighing Machine; manufactured for the Exhibitor. Price £3.

10,238—Sack Hoist for 12 Ft. Lift, Including Chains; manufactured for the Exhibitor. Price £2 16s.

10,239—Corn Shovels. Wood 2s. 3d., iron 3s. 6d., tin 5s. each.

10,240—Malting Shovels. Price from 2s. 6d. each.

10,241—Malt Kiln Floor; manufactured by the Exhibitor. Price 1s. per super. foot.

10,242—Sack Trucks; manufactured by the Exhibitor. Price 18s. and £1 1s. each.

10,243—Chondrometer, or Corn Balance; manufactured by the Exhibitor. Price £2 12s. 6d. For ascertaining weight of grain per bushel. Can be made with other scales, showing equivalents in any foreign weights and measures.

10,244—Corn Samplers; manufactured by the Exhibitor. Price, for sampling cargoes, £1 15s. each; for sampling sacks, £1 each.

10,245—Leather Driving Straps, best London Quality; manufactured by the Exhibitor. Price from 4½d. per foot according to width.

10,246—Leather Driving Belts, Best American; manufactured by Curtis. Price from 3d. per foot according to width.

10,247—Hide Laces, Specially Prepared for Joining Straps. Price from 6s. per gross, according to length.

10,248—Screw Rivets, or Strap Screws. Price from 2s. 6d. per dozen; Copper Rivets and Washers, 2s. per lb.; Greene's, Pearce's, Harris's, &c., Belt Fasteners, from 1s. per dozen.

10,249—Gut Driving Bands. Price from 8d. per yard, according to Diameter; Hooks and Eyes and Couplings for same, from 10d. per pair.

10,250—Webbing and other Bands for Elevator. Price from 7½d. per yard, according to width.

10,251—Buckets or Cups for Elevators; manufactured by the Exhibitor. Price from 4d. each, according to size and material.

10,252—Brushes for Cleaning Boiler and other Tubes; manufactured by the Exhibitor. Price from 2s. each.

10,253—Disqualified—Informal entry.

Stand No. 494.—*Thornevill and Warham, of the Iron Works, Burton-on-Trent, Staffordshire ; and 18, Great George Street, London, S. W.*

Article 10,254—Rammell's Patent Ventilator with Duplicate Engines ; manufactured by the Exhibitors. Price £450. For ventilating collieries, mines, &c. The whole machine self-contained and specially designed to economise space and to reduce to a minimum the cost of brickwork and masonry.

10,255—"Model" Steam Pump ; manufactured by the Exhibitors. Price £23. 4-in. steam cylinder, 2-in. pump, 4-in. stroke.

10,256—"Model" Steam Pump ; manufactured by the Exhibitors. Price £27. 4-in. steam cylinder, 2-in. pump, 6-in. stroke.

10,257—"Model" Steam Pump ; manufactured by the Exhibitors. Price £35. 5-in. steam cylinder, 3-in. pump, 6-in. stroke.

10,258—"Model" Steam Pump ; manufactured by the Exhibitors. Price £55. 6½-in. steam cylinder, 4-in. pump, 8-in. stroke.

10,259—"Model" Steam Pump ; manufactured by the Exhibitors. Price £70. 8-in. steam cylinder, 5-in. pump, 10-in. stroke.

10,260—"Model" Steam Pump ; manufactured by the Exhibitors. Price £95. 10-in. steam cylinder, 5-in. pump, 12-in. stroke.

Stand No. 495.—*Archibald Campbell and Co., of the Vulcan Iron Works, Thrapstone, Northamptonshire.*

Article 10,261—2-Horse Power "Simplex" Vertical Engine and Boiler, Unmounted ; manufactured by the Exhibitors. Price £45 10s.

10,262—2-Horse Power "Simplex" Vertical Engine and Boiler, Mounted on 3 Wheels and Fitted with Handle ; manufactured by the Exhibitors. Price £56 10s.

10,263—3-Horse Power "Simplex" Vertical Engine and Boiler, Mounted on 3 Wheels and Fitted with Handle ; manufactured by the Exhibitors. Price £74

10,264—3-Horse Power "Simplex" Vertical Engine and Boiler, Mounted on 4 Wheels and Fitted with Horse Shafts ; manufactured by the Exhibitors. Price £77.

10,265—4-Horse Power "Simplex" Vertical Engine and Boiler, Mounted on 4 Wheels and Fitted with Horse Shafts ; manufactured by the Exhibitors. Price £95.

10,266—5-Horse Power "Simplex" Vertical Engine and Boiler, Mounted on 4 Wheels and Fitted with Horse Shafts ; manufactured by the Exhibitors. Price £110.

10,267—Estate Carpenter and Joiner ; manufactured by M. Powis, Bale & Co., of 20 Budge Row, London, E.C. Price £75.

10,268—Patent Grinding and Disintegrating Mill, "The Farmer ;" manufactured by M. Powis, Bale, & Co. Price £25.

10,269—Grist Mill, No. 8 ; manufactured by Smith and Grace, of Thrapstone. Price £7 15s. ; roller for bruising oats, 15s. extra.

10,270—Farmer's and Estate Saw Bench ; manufactured by the Exhibitors. Price £28.

Stand No. 496.—*Clarke's Crank Co. (Limited), of the Patent Crank Works, Lincoln.*

Article 10,271—Double-Throw Loco. Crank ; manufactured by the Exhibitors. Price £3 17s. per cwt. Bent and rough-turned, having the grain of the iron down the arms instead of across them.

10,272—Double-Throw Engine Crank, 50-Horse Power ; manufactured by the Exhibitors. Price £3 per cwt. Bent from a straight shaft by patent process, and turned up in throw bearings.

10,273—Treble Pump Crank ; manufactured by the Exhibitors. Price £4 4s. per cwt. Bent and turned up complete.

10,274—Treble Pump Crank ; manufactured by the Exhibitors. Price £4 10s. per cwt. Bent, turned, and polished.

10,275—Treble Crank for Willans' Patent Engine ; manufactured by the Exhibitors. Price £4 4s. per cwt. Bent and turned complete.

10,276—Double Throw Portable Engine Crank, 12-Horse Power ; manufactured by the Exhibitors. Price £4 per cwt. Bent and turned complete.

10,277—Single Throw Portable Engine Crank, 10-Horse Power ; manufactured by the Exhibitors. Price £3 10s. per cwt. Bent and turned complete.

10,278—Double Pump Crank Forging ; manufactured by the Exhibitors. Price £2 6s. 8d. per cwt.

10,279—Treble Pump Crank Forging ; manufactured by the Exhibitors. Price £3 5s. 4d. per cwt.

10,280—Double-Throw Portable Engine Crank Forging ; manufactured by the Exhibitors. Price £2 5s. per cwt. Bent by patent process, giving exceeding great strength in the throw.

10,281—Single-Throw Portable Engine Crank Forging ; manufactured by the Exhibitors. Price £1 17s. 4d. per cwt. Bent by patent process, giving exceeding great strength in the throw.

10,282—Pair of Wheel Axle Arms ; manufactured by the Exhibitors. Price 18s. per cwt.

10,283—Double Web Crank Forging ; manufactured by the Exhibitors. Price £1 10s. per cwt.

10,284—Crank Arm Forging ; manufactured by the Exhibitors. Price £1 6s. per cwt.

10,285—Specimens of Crank Iron ; manufactured by the Exhibitors. Price 17s. per cwt.

10,286—Pair of Four-Throw Shaker Cranks, Turned Complete ; manufactured by the Exhibitors. Price £3 14s. 8d. per cwt. For thrashing machine.

10,287—Riddle Crank, Turned Complete ; manufactured by the Exhibitors. Price £3 14s. 8d. per cwt. For thrashing machine.

10,288—Shaker Crank Forging, Collared on Bearings ; manufactured by the Exhibitors. Price £2 6s. 8d. per cwt. Forged ready for turning.

10,289—Riddle Crank Forging, Collared ; manufactured by the Exhibitors. Price £2 6s. 8d. per cwt. Forged ready for turning.

10,290—Thrashing Machine Drum Spindle, Turned Complete ; manufactured by the Exhibitors. Price £4 10s. per cwt.

Stand No. 497.—*C. W. Julius Blanche and Co.,
of 21 and 23, Lower King Street, Manchester.*

Article 10,291—Collection of 89 Steam Vacuum and Hydraulic Gauges; manufactured by the Exhibitors. Price from £1 to £5. Diameter of dial varying from 3 in. to 12 in.

10,292—Collection of 8 Steam Engine Counters; manufactured by the Exhibitors. Price from £3 to £5.

10,293—Collection of 26 Water Gauges; manufactured by the Exhibitors. Price from 14s. to £8 10s.

10,294—Collection of 79 Lubricators, Grease Cups and Oil Syphons; manufactured by the Exhibitors. Price from 1s. to £2.

10,295—Collection of 73 Steam, Main, Test and Gauge Cocks; manufactured by the Exhibitors. Price from 1s. 6d. to £2 10s.

10,296—Collection of 29 Gun Metal Wheel Back Pressure Valves; manufactured by the Exhibitors. Price from 3s. 3d. to £2.

10,297—Collection of 33 Cast-Iron, Stop, Junction, Feed and Sluice Valves; manufactured by the Exhibitors. Price from 6s. to £4.

10,298—Collection of 9 Cast-Iron and Gun Metal Safety Valves; manufactured by the Exhibitors. Price from 10s. to £4 4s.

10,299—Collection of 7 Steam Traps and Steam Dryers; manufactured by the Exhibitors. Price from £1 13s. to £5.

10,300—Collection of 6 Hydro-Parabolic Steam Engine Governors; manufactured by the Exhibitors. Price from £6 10s. to £10.

10,301—Collection of 9 Blanche's Improved Injectors; manufactured by the Exhibitors. Price from £3 to £10.

10,302—Collection of Thermometers, Mercury Gauges, and Pyrometers; manufactured by the Exhibitors. Price from £1 to £2 10s.

10,303—Collection of Boiler Test and Feed Pumps; manufactured by the Exhibitors. Price from £2 to £12.

10,304—Collection of Steam Whistles and Unions; manufactured by the Exhibitors. Price from 1s. 6d. to £2 5s.

10,305—Collection of Lead Fittings; manufactured by the Exhibitors. Price from 6s. to £2 5s.

Stand No. 498.—*Messrs. Schöffer and Budenberg,
of 1, Southgate, St. Mary's Street, Manchester.*

Article 10,306—Assortment of Steam, Vacuum, and Hydraulic Gauges; manufactured by the Exhibitors. Price from £1 5s. to £5.

10,307—Assortment of Engine Counters; manufactured by the Exhibitors. Price from £3 to £5.

10,308—Assortment of "Buss" Patent Engine Governors, without Throttle Valve; manufactured by the Exhibitors. Price from £5 to £20.

10,309—Assortment of "Buss" Patent Engine Governors, with Throttle Valve; manufactured by the Exhibitors. Price from £7 10s. to £22.

10,310—Assortment of "Buss" Patent Engine Governors, with Throttle and Starting Valve Combined; manufactured by the Exhibitors. Price from £9 to £24 10s.

10,311—Double Action Hydraulic Test Pump, mounted on Wheels, and with Tank; manufactured by the Exhibitors. Price £21 10s. with gauge complete.

10,312—Double Action Hydraulic Test Pump, with Tank; manufactured by the Exhibitors. Price £15 10s. with gauge complete.

10,313—Assortment of Injectors; manufactured by the Exhibitors. Price from £3 10s. to £12.

10,314—(*New Article.*)—Assortment of Royle's Patent Swivel Unions; manufactured for the Exhibitors. Price from 4s. to £1.

10,315—Assortment of Engine and Boiler Mountings; manufactured by the Exhibitors. Price from 5s. to £3.

10,316—Assortment of Pearson's Patent Lubricators; manufactured by the Exhibitors. Price from £1 to £5 10s.

10,317—Assortment of Thermometers; manufactured by the Exhibitors. Price from £1 to £4.

10,318—Heap's Patent Screwing Machine, A Size; manufactured by the Exhibitors. Price £10.

10,319—Heap's Patent Screwing Machine, B Size; manufactured by the Exhibitors. Price £15.

10,320—Assortment of Bowker's Blow-Off Cocks; manufactured by the Exhibitors. Price from £1 18s. to £11.

10,321—Assortment of Iron Valves; manufactured by the Exhibitors. Price from £1 2s. 6d. to £3 10s.

10,322—Low Water Indicator, Large Size; manufactured by the Exhibitors. Price £3 10s.

10,323—Assortment of Parker's Steam Traps; manufactured by the Exhibitors. Price from £1 15s. to £5 10s.

10,324—Assortment of Royle's Steam Traps; manufactured by the Exhibitors. Price from £1 17s. 6d. to £4 5s.

10,325—Bollmann's Patent Self-Acting Emery Grinding Machine; manufactured by the Exhibitors. Price £65.

Stand No. 499.—*James J. Bartlett, of the Iron Works, Wimborne, Dorsetshire.*

Article 10,326—Stacking Machine; manufactured by the Exhibitor. Price £40. Will deliver hay, corn or straw to the height of 28 ft.; can be driven by a pony gear or attached to a thrashing machine; and can be folded in three minutes by one man so as to enter a shed only 7 ft. high.

10,327—Very Simple Pony Gear; manufactured by the Exhibitor. Price £8. Specially designed for driving the above stacking machine, and mounted upon travelling wheels so as to run behind the same.

10,328—Sample Drag Harrow; manufactured by the Exhibitor. Price £5. Made in several sizes, and will do the work of a light scarifier with much less power.

10,329—Sample Set of 3 Harrows; manufactured by the Exhibitor. Price £4. Made in several different sizes, the teeth being set out mathematically accurate, so that every one shall cut a separate track.

10,330—Set of Whippetrees for Three Horses Abreast; manufactured by the Exhibitor. Price £1 15s. Adapted for drawing double-furrow ploughs, harrows, &c., enabling one man to drive three horses without assistance.

Stand No. 500.—*William Crosskill and Sons, of Beverley, Yorkshire.*

For particulars of entry, see Stand No. 278 in Implement Sheds.

Stand No. 501.—*Thomas and Taylor, of 80 and 82, Lower Hillgate, Stockport, Cheshire; and 16, 18, and 20, Chapel Street, Salford.*

For particulars of entry, see Stand No. 277 in Implement Sheds.

Stand No. 502.—*Lawrence and Co., of 22, St. Mary Axe, E.C.; and the Copper Works, Latimer Road, Notting Hill, London, W.*

Article 10,331—Patent Capillary Refrigerator for Heating and Cooling Milk, or for Cooling with Ice and other Water, in 2 Sections, on Patent Trunnions; manufactured by the Exhibitors. Price £30.

10,332—Collection of Patent Capillary Refrigerators for Cooling Milk; Stands, and Fittings; manufactured by the Exhibitors. Price from £4 to £12 10s.

10,333—Patent Capillary Refrigerator for Heating Water, in Case; manufactured by the Exhibitors. Price £20.

10,334—Patent Capillary Refrigerator for Condensing Steam; manufactured by the Exhibitors. Price £20.

10,335—50-Barrel Double Ice Patent Capillary Beer Refrigerator on Patent Trunnions, with Improved Cast-Iron Bottom Wort Receiving Trough; manufactured by the Exhibitors. Price £147.

10,336—30-Barrel Patent Capillary Beer Refrigerator on Patent Trunnions; manufactured by the Exhibitors. Price £90.

10,337—10-Barrel Patent Capillary Beer Refrigerator; manufactured by the Exhibitors. Price £33.

10,338—5-Barrel Patent Capillary Beer Refrigerator; manufactured by the Exhibitors. Price £16 10s.

10,339—Patent Capillary Refrigerator for Condensing and Cooling Spirit; manufactured by the Exhibitors. Price £42.

10,340—6-Horse Power Vertical Boiler, Fitted with Furnace Patented by William Lawrence; manufactured by the Exhibitors. Price £98.

10,341—Patent "Universal" Steam Pump; manufactured by Hayward, Tyler, & Co., of 84, Upper Whitecross Street, London, E.C. Price £25 10s.

10,342—6-Quarter Patent Self-Acting Mashing Machine; improved and manufactured by the Exhibitors. Price £5 10s.

10,343—20-Quarter Patent Self-Acting Mashing Machine; improved and manufactured by the Exhibitors. Price £12 12s.

10,344—Patent Frictionless Closeway Sparger, with Tapered Arms, 12 Ft. Over All, Patented by William Lawrence; manufactured by the Exhibitors. Price £9 10s.

10,345—Patent Frictionless Closeway Sparger, with Tapered Arms, 6 Ft. Over All, Patented by William Lawrence; manufactured by the Exhibitors. Price £4 10s.

10,346—Patent Hop Extractor; patented by John Hodson; manufactured by the Exhibitors. Price £25.

Stand No. 503.—*Thomas Bradford and Co., of 140 to 143, High Holborn, London, W.C.; and Crescent Iron Works, Manchester.*

For particulars of entry, see Stand No. 276 in Implement Sheds.

Stand No. 504.—*Cottrell and Co., of Eddington Iron Works, Hungerford, Berkshire.*

For particulars of entry, see Stand No. 275 in Implement Sheds.

Stand No. 505.—*The Atmospheric Churn Co., of 119, New Bond Street, London, W.*

For particulars of entry, see Stand No. 274 in Implement Sheds.

Stand No. 506.—*A. Ransome and Co., of Stanley Works, Chelsea, London.*

Article 10,347—Machine for Jointing Staves for Butter Firkins, &c.; manufactured by the Exhibitors. Price £40.

10,348—Machine for Jointing and Boring the Heads of Butter Firkins, &c.; manufactured by the Exhibitors. Price £55.

10,349—Machine for Turning and Bevelling the Heads of Butter Firkins, &c.; manufactured by the Exhibitors. Price £50.

10,350—Machine for Planing the Heads of Butter Firkins, &c.; manufactured by the Exhibitors. Price £70.

10,351—Machine for Chiming, Crozing, and Howelling Butter Firkins, &c.; manufactured by the Exhibitors. Price £80.

10,352—Machine for Trussing Butter Firkins, &c.; manufactured by the Exhibitors. Price £40.

10,353—New Pattern Vertical Engine and Boiler (Size F); manufactured by Ransomes, Sims, & Head, of Orwell Works, Ipswich. Price £80. The engine and boiler, which are separate from each other, are mounted on a strong cast-iron bed-plate which forms a tank and an ash-pan.

Stand No. 507.—*Newton, Chambers, and Co., of the Thorncliffe Iron Works, Sheffield.*

Article 10,354—Patent Close and Open-Fire Cooking Range, No. 220, 6 Ft. Wide by 5 Ft. 6 In. High; manufactured by the Exhibitors. Price £37 17s. 6d., exclusive of utensils. A great economiser of fuel, very simple in working, and effective in results. Ovens are above hot-plate, at convenient height for the cook. All down draughts dispensed with, and a natural draught is secured, together with more moderate heat than in other ranges.

10,355—Patent Close and Open-Fire Cooking Range, No. 220 s b, 4 Ft. Wide by 4 Ft. 9 In. High; manufactured by the Exhibitors. Price £16. This range possesses all the advantages of the No. 220 range, but is made with only one oven and a hot closet.

Stand No. 508.—*The Eagle Range and Foundry Co., of 72 and 74, Loozells Road, Birmingham.*

Article 10,356—(New Implement.)—Patent “Eagle” Cooking Range, No. 22, 5 Ft. Wide; manufactured by the Exhibitors. Price £20. The special advantages of the “Eagle” ranges are that they require no brickwork flues. Can be used with either a close or open fire; the size of fire can be increased or diminished as required; ovens may be heated from top or bottom, giving great economy of fuel.

10,357—(New Implement.)—Patent “Eagle” Cooking Range, No. 21, 4 Ft. 6 In. Wide; manufactured by the Exhibitors. Price £17 10s. Description of range same as Article No. 10,356, our No. 22.

10,358—(New Implement.)—Patent “Eagle” Cooking Range, No. 26, 4 Ft. 6 In.; manufactured by the Exhibitors. Price £16 10s. Description as in Article No. 10,356.

10,359—(New Implement.)—Patent “Eagle” Cooking Range, No. 20, 4 Ft. Wide; manufactured by the Exhibitors. Price £15 10s. Description as in Article No. 10,356.

10,360—(New Implement.)—Patent “Eagle” Cooking Range, No. 52, 4 Ft.; manufactured by the Exhibitors. Price £13 10s. Description as above, or Article No. 10,356.

10,361—(New Implement.)—Patent “Eagle” Cooking Range, No. 42, 3 Ft. 6 In.; manufactured by the Exhibitors. Price £13. Description as in Article No. 10,356.

10,362—(New Implement.)—Patent “Eagle” Cooking Range, No. 51, 3 Ft. 6 In.; manufactured by the Exhibitors. Price £12. Mantel-piece and tiling extra.

10,363—(New Implement.)—Patent “Eagle” Cooking Range, No. 131, 3 Ft. 6 In.; manufactured by the Exhibitors. Price £10. Description of range as in Article No. 10,356.

10,364—(New Implement.)—Patent “Eagle” Cooking Range, No. 50, 3 Ft.; manufactured by the Exhibitors. Price £10 10s. Description as in Article No. 10,356.

10,365—(New Implement.)—Patent “Eagle” Cooking Range, No. 50 A, 3 Ft.; manufactured by the Exhibitors. Price £10. Description as above, in Article No. 10,356.

10,366—(*New Implement.*)—Patent “Eagle” Cooking Range, No. 60, 3 Ft.; manufactured by the Exhibitors. Price £8. Description as above, in Article No. 10,356.

10,367—(*New Implement.*)—Patent “Eagle” Cooking Range, No. 83, 3 Ft.; manufactured by the Exhibitors. Price £6 10s. Description as above.

10,368—(*New Implement.*)—Patent “Eagle” Cooking Range, No. 85, 2 Ft. 6 In.; manufactured by the Exhibitors. Price £6 2s. 6d. Description as above.

10,369—(*New Implement.*)—Patent “Eagle” Grilling Stove; manufactured by the Exhibitors. Price £8. These require no brickwork flues; work with a descending draught. Specially suited to restaurants, hotels, &c.

10,370—“Eagle” Sanitary Trap; manufactured by the Exhibitors. Price 7s. Nozzle of drain pipe is connected directly with trap, thereby entirely dispensing with ordinary brickwork catch pit. The water seal being very deep, prevents the escape of sewer gas by evaporation or back pressure.

Stand No. 509.—*T. J. Constantine, of 61, Fleet Street, London, E. C.*

Article 10,371—No. 1 Constantine’s Improved Patent Treasure Artisan’s Cooking Range; manufactured by the Exhibitor. Price £1 5s., complete.

10,372—No. 2 Constantine’s Improved Patent Treasure Artisan’s Cooking Range; manufactured by the Exhibitor. Price £1 15s., complete.

10,373—No. 3 Constantine’s Improved Patent Treasure Artisan’s Cooking Range; manufactured by the Exhibitor. Price £2 5s., complete.

10,374—No. 13 Constantine’s Improved Patent Treasure Cooking Range; manufactured by the Exhibitor. Price £2 10s., complete.

10,375—No. 15 Constantine’s Improved Patent Treasure Cooking Range; manufactured by the Exhibitor. Price £3 15s., complete.

10,376—No. 16 Constantine’s Improved Patent Treasure Cooking Range; manufactured by the Exhibitor. Price £4 15s., complete.

10,377—No. 18 Constantine’s Improved Patent Treasure Cooking Range; manufactured by the Exhibitor. Price £7 7s., complete.

10,378—No. 20 Constantine’s Improved Patent Treasure Cooking Range; manufactured by the Exhibitor. Price £10 10s., complete.

10,379—No. 23 Constantine’s Improved Patent Treasure Cooking Range; manufactured by the Exhibitor. Price £15 15s., complete.

10,380—No. 26 Constantine’s Improved Patent Treasure Cooking Range, High Pressure; manufactured by the Exhibitor. Price £26 10s., complete.

10,381—No. 51 Constantine’s Enamelled Treasure Stove; manufactured by the Exhibitor. Price £1 18s., complete.

10,382—No. 53 Constantine’s Enamelled Treasure Stove; manufactured by the Exhibitor. Price £2 16s., complete.

10,383—No. 33 Constantine’s Enamelled Treasure Stove; manufactured by the Exhibitor. Price £5, complete.

10,384—No. 60 Constantine's Enamelled Treasure Stove; manufactured by the Exhibitor. Price £8 15s., complete.

10,385—Etzensberger's Patent Steam Coffee and Tea Filter; manufactured by the Exhibitor. Price £45, complete.

10,386—Assortment of Constantine's Patent Cooking Utensils; manufactured by the Exhibitor. Price ranging from 6s. 6d. to £1 10s. each.

Stand No. 510.—*R. and J. Reeves and Son, of Bratton Iron Works, Westbury, Wilts.*

For particulars of entry, see Stand No. 272 in Implement Sheds.

Stand No. 511.—*W. Olley and Co., of 186, High Street, Borough, London, S.E.*

Article 10,387—48-In. Olley's Patent Circular Saw Bench, with Drag Motion; manufactured by the Exhibitors. Price £60.

10,388—36-In. Band Sawing Machine; manufactured by the Exhibitors. Price £50.

10,389—36-In. Circular Saw Bench, with Rise and Fall Spindle; manufactured by the Exhibitors. Price £35.

10,390—24-In. Circular Saw Bench; manufactured by the Exhibitors. Price £16.

10,391—18-In. Circular Saw Bench; manufactured by the Exhibitors. Price £10.

10,392—18-In. Band Sawing Machine for Hand or Steam Power; manufactured by the Exhibitors. Price £20.

10,393—Olley's Patent Self-Feeding Cross-Cutting Saw Bench; manufactured by the Exhibitors. Price £20.

10,394—Olley's Patent Hand Power Self-Feeding Saw Bench, with Rise and Fall Spindle; manufactured by the Exhibitors. Price £14 14s.

10,395—Disqualified—Informal entry.

10,396—Olley's Patent Hand Power Self-Feeding Saw Bench, with Band-Saw Combined; manufactured by the Exhibitors. Price £26 10s.

10,397—Olley's Patent Hand Saw Bench. Price £12 12s.

10,398—Patent Self-Feeding Sawing and Tenon Cutting Machine, with Band-Saw; manufactured by the Exhibitors. Price £35.

10,399—Improved Morticing Machine. Price £12.

10,400—Improved Morticing Machine. Price £8 10s.

10,401—6-Ft. Joiners' Cramp; manufactured by the Exhibitors. Price £1 8s.

10,402—3-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £72 10s.

10,403—1-Man Power "Bisschop" Patent Gas Engine; Price £25.

10,404—36-In. Grindstone and Trough for Power; manufactured by the Exhibitors. Price £6 5s.

10,405—Assortment of Circular Saws, &c. Prices various.

10,406—Assortment of Leather Belts. Prices various.

10,407—24-In. Grindstone, with Treadle and Handle; manufactured by the Exhibitors. Price £3 7s. 6d.

10,408—Boring Machine; manufactured by the Exhibitors. Price £8.

Stand No. 512.—*Alexander K. Bruce, of 7, Catherine Street, Strand, London, W.C.*

Article 10,409—The 'Agricultural Gazette,' a Weekly Illustrated Journal for Landowners and Tenant Farmers; published by the Exhibitor every Monday. Price 4d.

10,410—The 'Agricultural Gazette' Daily Illustrated Edition; published by the Exhibitor. Price 2d.

10,411—Printing Machine Complete, with Rollers, &c., and Sundry Reams of Paper for Printing the 'Agricultural Gazette' Daily Edition upon.

10,412—4-Horse Power Engine for Driving Printing Machine.

Stand No. 513.—*Alexander Shanks and Son, of Dens Iron Works, Arbroath; and 27, Leadenhall Street, London, E.C.*

For particulars of entry, see Stand No. 60 in Implement Sheds.

Stand No. 514.—*Albion Iron Works Co., of Rugeley, Stafford.*

For particulars of entry, see Stand No. 59 in Implement Sheds.

Stand No. 515.—*W. Tasker and Sons, of Waterloo Iron Works, Andover, Hants.*

For particulars of entry, see Stand No. 58 in Implement Sheds.

Stand No. 516.—*E. R. and F. Turner, of St. Peter's Iron Works, Ipswich.*

For particulars of entry, see Stand No. 40 in Implement Sheds.

Stand No. 517.—*Edmondsons and Co., of Finsbury Pavement, London, E.C.*

For particulars of entry, see Stand No. 39 in Implement Sheds.

Stand No. 518.—*Jeffery and Blackstone, of Rutland Iron Works, Stamford, Lincolnshire.*

For particulars of entry, see **Stand No. 27 in Implement Sheds.**

Stand No. 519.—*Richard Garrett and Sons, of Leiston Works, Leiston, Suffolk.*

For particulars of entry, see **Stand No. 26 in Implement Sheds.**

Stand No. 520.—*The Reading Iron Works, Limited, Reading.*

For particulars of entry, see **Stand No. 12 in Implement Sheds.**

Stand No. 521.—*Samuelson and Co., of the Britannia Works, Banbury, Oxfordshire.*

For particulars of entry, see **Stand No. 11 in Implement Sheds.**

Stand No. 522.—*Ransomes, Sims, and Head, of the Orwell Works, Ipswich.*

For particulars of entry, see **Stand No. 5 in Implement Sheds.**

Stand No. 523.—*Richard Hornsby and Sons, of Spittlegate Iron Works, Grantham, Lincolnshire.*

For particulars of entry, see **Stand No. 4 in Implement Sheds.**

Stand No. 524.—*Holmes and Son, of Prospect Place Works, Norwich.*

For particulars of entry, see **Stand No. 1 in Implement Sheds.**

Stand No. 525.—*Marshall, Sons, and Co. (Limited), of Britannia Iron Works, Gainsborough, Lincolnshire.*

Article 10,413—6-Horse Power Steam Traction Engine; manufactured by the Exhibitors. Price £340. With two speeds of steel gear. Water lifter and winding drum, extra.

10,414—(New Implement.)—8-Horse Power Steam Traction Engine; manufactured by the Exhibitors. Price £400. With patent automatic expansion valve gear, and two speeds of steel driving gear. Water lifter and winding drum, extra.

10,415—A 4 Finishing Threshing Machine; manufactured by the Exhibitors. Price £160. Drum 5 ft. wide; fitted with patent adjustable corn screen, and embodying all modern improvements. Patent safety self-feeder, extra.

10,416—2½-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £105. Fitted with steam-jacketed cylinder, patent variable expansion apparatus, feed-water heater, &c.

10,417—5-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £165. Equipped as the preceding.

10,418—(*New Implement.*)—A 1 Finishing Threshing Machine; manufactured by the Exhibitors. Price £130. Drum 4 ft. 6 in. wide; fitted with patent adjustable corn screen, and embodying all modern improvements, including patent safety drum-guard (to comply with the new Act). Chaff elevator, extra.

10,419—6-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £189. Fitted with patent automatic expansion gear, specially adapted for working the electric light. Electric light apparatus, and carriage for same, extra.

10,420—7-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £195. Equipped as the 5-horse.

10,421—(*New Implement.*)—A 2 Finishing Threshing Machine; manufactured by the Exhibitors. Price £135. Drum 4 ft. 6 in. wide. Equipped as the A 1. Chaff elevator, extra.

10,422—25-Ft. Turnover Elevator and Stacker; manufactured by the Exhibitors. Price £45. Arranged to be worked in connection with a threshing machine, or by a horse gear separately.

10,423—8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. Equipped as the 5-horse.

10,424—(*New Implement.*)—A 3 Royal Society's First Prize Finishing Threshing Machine; manufactured by the Exhibitors. Price £150. Drum 4 ft. 6 in. wide. Equipped as the A 1. Chaff elevator, extra.

10,425—10-Horse Power Single-Cylinder Portable Steam Engine; manufactured by the Exhibitors. Price £285. Fitted with Head & Schemioth's patent straw-burning apparatus.

10,426—(*New Implement.*)—A 5 Finishing Threshing Machine; manufactured by the Exhibitors. Price £170. Equipped as the A 1.

10,427—12-Horse Power Double-Cylinder Portable Steam Engine; manufactured by the Exhibitors. Price £305.

10,428—14-Horse Power Double-Cylinder Portable Steam Engine; manufactured by the Exhibitors. Price £371 10s. Fitted with patent automatic expansion gear.

10,429—8-Horse Power Horizontal Fixed Steam Engine, Class A; manufactured by the Exhibitors. Price £100.

10,430—12-Horse Power Horizontal Fixed Steam Engine, Class B; manufactured by the Exhibitors. Price £198. Fitted with patent automatic expansion gear and condenser.

10,431—3-Horse Power Portable Vertical Steam Engine; manufactured by the Exhibitors. Price £102. With independent boiler.

10,432—24-Horse Power Vertical Steam Engine; manufactured by the Exhibitors. Price £35. Without boiler, but with tank base.

10,433—No. 1 Circular-Saw Bench ; manufactured by the Exhibitors. Price £16. With planed metal table, 4 ft. by 2 ft. 2 in., parallel fence, driving pulley, and 24-in. saw. Extras as per Catalogue.

10,434—No. 2 Circular-Saw Bench ; manufactured by the Exhibitors. Price £21. With planed metal table, 5 ft. by 2 ft. 8 in. Equipped as the No. 1, but with 30-in. saw. Extras as per Catalogue.

10,435—No. 5 Self-Acting Circular-Saw Bench ; manufactured by the Exhibitors. Price £70. With planed metal table, 8 ft. by 3 ft., and 42-in. saw. Extras as per Catalogue.

10,436—Sack-Lifting Barrow ; manufactured by the Exhibitors. Price £3.

10,437—Screw Jack, to Lift 8 Tons ; manufactured by the Exhibitors. Price £2 5s.

10,438—Screw Jack, to Lift 4 Tons ; manufactured by the Exhibitors. Price £1 10s.

Stand No. 526.—*Ruston, Proctor, and Co., of the Sheaf Iron Works, Lincoln.*

Article 10,439—3-Horse Power Portable Steam Engine ; manufactured by the Exhibitors. Price £125. With cylinder $6\frac{1}{2}$ in. diameter, steam jacketed ; fitted with Chapman's patent variable expansion eccentric, continuous feed-pump, exhaust water heater, &c. ; mounted on strong wood travelling wheels, and supplied with all requisites.

10,440—6-Horse Power Portable Steam Engine ; manufactured by the Exhibitors. Price £180. With cylinder $8\frac{1}{2}$ in. diameter, steam-jacketed, and in other respects same as above.

10,441—8-Horse Power Portable Steam Engine ; manufactured by the Exhibitors. Price £210. With cylinder $9\frac{1}{2}$ in. diameter, steam-jacketed, fitted with patent expanding stay, and in other respects same as Article No. 10,439.

10,442—10-Horse Power Portable Steam Engine ; manufactured by the Exhibitors. Price £280. With cylinder $10\frac{1}{2}$ in. diameter ; steam-jacketed, fitted with patent expanding stay and straw-burning apparatus, &c. ; in other respects same as Article No. 10,439.

10,443—12-Horse Power Portable Steam Engine ; manufactured by the Exhibitors. Price £305. With 2 cylinders, each $8\frac{1}{2}$ in. diameter, steam-jacketed, and fitted in other respects same as Article No. 10,439.

10,444—3-Horse Power Independent Vertical Steam Engine, with Boiler ; manufactured by the Exhibitors. Price £90. With cylinder $6\frac{1}{2}$ in. diameter, steam-jacketed, fitted with Chapman's patent variable expansion eccentric, improved governors, feed-pump, &c. ; mounted on strong metal base-plate.

10,445—6-Horse Power Traction Steam Engine ; manufactured by the Exhibitors. Price £360. With cylinder $8\frac{1}{2}$ in. diameter, steam-jacketed, and fitted with improved reversing apparatus, self-acting equilibrium valve, patent expanding stays, high-speed governors, &c., and supplied with all requisites.

10,446—8-Horse Power Traction Steam Engine ; manufactured by the Exhibitors. Price £420. With cylinder $9\frac{1}{2}$ in. diam., steam-jacketed, and fitted in other respects same as Article No. 10,445.

10,447—10-Horse Power High-Pressure Fixed Steam Engine, for Farm Buildings; manufactured by the Exhibitors. Price £133. With cylinder 10½ in. diameter, fitted with separate expansion valve, improved governors, continuous feed-pump, patent water ejector, &c., and mounted on strong metal base-plate.

10,448—Patent Combined Thrashing and Finishing Dressing Machine; manufactured by the Exhibitors. Price £105. With drum 3 ft. wide, patent separating screen, improved straw shakers, corn cleaner, &c.; mounted on strong wood wheels.

10,449—Patent Combined Thrashing and Finishing Dressing Machine; manufactured by the Exhibitors. Price £125. With drum 4 ft. wide, and fitted in other respects same as Article No. 10,448.

10,450—Patent Combined Thrashing and Finishing Dressing Machine; manufactured by the Exhibitors. Price £135. With drum 4 ft. 6 in. wide (small model), and in other respects same as Article No. 10,448.

10,451—Patent Combined Thrashing and Finishing Dressing Machine; manufactured by the Exhibitors. Price £155. With drum 4 ft. 6 in. wide, patent separating screen, improved straw shakers and drum guard, &c.; mounted on strong wood wheels.

10,452—Patent Combined Thrashing and Finishing Dressing Machine; manufactured by the Exhibitors. Price £180. With drum 5 ft. wide, patent separating screen, improved straw shakers, centrifugal chaff elevator, and fitted with self-feeding apparatus, &c.; mounted on strong wood wheels.

10,453—Improved Straw Elevator; manufactured by the Exhibitors. Price £52. 22 ft. long by 4 ft. 6 in. wide; delivery at any angle; mounted on strong wood wheels, &c.

10,454—Improved Stacking Machine; manufactured by the Exhibitors. Price £52. With horse-gear complete.

10,455—Patent Harvesting and Haymaking Machine; manufactured by the Exhibitors. Price £45.

10,456—Horizontal High-Pressure Expansive Condensing Engine; manufactured by the Exhibitors. Price £320. With cylinder 13½ in. diameter, 24 in. stroke, crank-shaft carriages cast on bed-plate, and air-pump arranged behind cylinder, complete with turned fly-wheel, feed-pump, governors, wall-box, pedestal, &c.

10,457—Improved Corn-Grinding Mill; manufactured by the Exhibitors. Price £146. Fitted with 2 pairs of 3-ft. 6-in. diameter best French burr stones, and supplied with crane, &c., complete.

10,458—Improved Corn-Grinding Mill; manufactured by the Exhibitors. Price £32. With 1 pair of 2-ft. diameter best French burr stones.

10,459—Improved Circular-Sawing Bench; manufactured by the Exhibitors. Price £35. Fitted with fence, driving and loose pulley with fork lever, and supplied with 36-in. saw.

Stand No. 527.—*Hempsted and Co. (Limited), of Grantham, Lincolnshire.*

Article 10,460—1-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £45. Suitable for driving chaff-cutters, or any small machinery; is very compact, strong, and takes up very little room. If provided with wheels, axles, and handle, £2 extra.

10,461—1½-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £50. Same design and construction as above. If provided with wheels, axles, and handle, £3 extra.

10,462—2-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £60. Wheels, axles, and handle, £3 extra.

10,463—2½-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £70. Wheels, axles, and shafts, £4 extra.

10,464—3-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £81. Wheels, axles, and shafts, £4 extra.

10,465—4-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £92. Wheels, axles, and shafts, £4 extra.

10,466—5-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £103. Wheels, axles, and shafts, £4 extra.

10,467—6-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £126. Wheels, axles, and shafts, £4 extra.

10,468—8-Horse Power Vertical Steam Engine and Boiler Combined; manufactured by the Exhibitors. Price £150. Wheels, axles, and shafts, £4 extra.

10,469—1-Horse Power Vertical Steam Engine; manufactured by the Exhibitors. Price £17. A very compact and reliable engine, with high-speed governor and pump; mounted on water-tank base.

10,470—2½-Horse Power Vertical Steam Engine; manufactured by the Exhibitors. Price £30. Has steam-jacketed cylinder, high-speed governor, and pump; mounted on water-tank base. Superior workmanship and material employed throughout.

10,471—4-Horse Power Vertical Steam Engine; manufactured by the Exhibitors. Price £38. Similar to the above.

10,472—6-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £180. Including waterproof cover, and necessary tools.

10,473—8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. Including waterproof cover and necessary tools.

10,474—12-Horse Power Portable Engine; manufactured by the Exhibitors. Price £305. Including waterproof cover and necessary tools, steam-jacketed cylinders, improved feed-water heater, patent variable expansion valves, controlled by the governor, wrought-iron travelling wheels.

10,475—Combined Thrashing and Finishing Machine; manufactured by the Exhibitors. Price £150. To be driven by 8-horse power portable engine. Finishes corn for market; fitted with Penney's patent screen, and equipped with waterproof cover and tools; drum 4 ft. 6 in. wide.

10,476—Improved Straw Elevator; manufactured by the Exhibitors. Price £36. Length 26 ft.; delivers at any angle; mounted on iron wheels.

10,477—(*New Implement.*)—Improved Portable Hoisting Engine and Boiler; manufactured by the Exhibitors. Price £105. The engine has a cylinder 5 in. diameter, 8 in. stroke, and hoisting drum driven by friction gear,

and self-acting brake for suspending and checking the load at any point. The base-plate forms a feed-water tank and heater, also ash-pit; mounted on 4 travelling wheels and axles.

10,478—Improved Chaff-Cutter; manufactured by the Exhibitors. Price £6. Suitable for hand, horse, or steam power.

10,479—Improved Chaff-Cutter; manufactured by the Exhibitors. Price £8 8s. Suitable for hand, horse, or steam power.

10,480—Patent American Grist Mill; manufactured by Riches and Watts, of Norwich. Price £36.

10,481—Improved Circular Saw-Bench; manufactured by Charles Powis and Co., of London. Price £27 15s.

10,482—(*New Implement.*)—Improved Reaper and Mower Knife Grinding Machine; manufactured by the Exhibitors. Price £2 10s. The simplest and most efficient method for grinding reaper sickles yet invented.

10,483—Specimens of Bent Cranks; manufactured by the Exhibitors. Bent from the solid bar without welding, by patent hydraulic machinery.

Stand No. 528.—*Edward Humphries, of Pershore, Worcestershire.*

Article 10,484—6-Horse Power Portable Steam Engine; manufactured by the Exhibitor. Price £180. Fitted with steam-jacketed cylinder, and improved water-heater; the governors are of an improved design, only having two joint pins; it also has a reversing eccentric for running the engine either way. Silver Medal awarded for this engine at the Paris Exhibition, 1878.

10,485—7-Horse Power Portable Steam Engine; manufactured by the Exhibitor. Price £195. Fitted with steam-jacketed cylinder, and improved water-heater. In other respects same as the above.

10,486—8-Horse Power Horizontal Fixed Steam Engine; manufactured by the Exhibitor. Price £200. Including engine and Cornish boiler. Erected upon a strong cast-iron planed bed-plate. Suitable for working barn machinery, grinding, sawing, &c.

• 10,487—3-Horse Power Vertical Steam Engine; manufactured by the Exhibitor. Price £80. Constructed on the very best principle; the bed-plate forms the water tank; it occupies little room, and will burn any refuse.

10,488—Combined Double-Blast Finishing Thrashing Machine; manufactured by the Exhibitor. Price £150; chaff-sacker and cleaner, £5 extra. Drum 54 in. wide, wrought-iron concave, patent expanding and revolving corn screen, with other recent improvements, including drum guard. Silver Medal awarded for this machine at the Paris Exhibition, 1878.

10,489—Combined Double-Blast Finishing Thrashing Machine; manufactured by the Exhibitor. Price £150. Drum 54 in. wide, wrought-iron concave, patent expanding and revolving corn screen, with other recent improvements, including drum guard.

10,490—Combined Double-Blast Finishing Thrashing Machine; manufactured by the Exhibitor. Price £135. Drum 54 in wide, wrought-iron concave. Similar to the preceding, only a size smaller.

10,491—Combined Finishing Thrashing Machine; manufactured by the Exhibitor. Price £135. Drum 54 in. wide, wrought-iron concave; the corn is dressed for market with riddles; it has other improvements, including drum guard.

10,492—Stacker or Elevator; manufactured by the Exhibitor. Price £40. Suitable to be driven at any angle by a pony gear or from a thrashing machine.

10,493—Horse or Pony Gear; manufactured by the Exhibitor. Price £7; if mounted on travelling wheels, £1 extra. This is a strong and compact gear, suitable for a variety of purposes.

10,494—Clover or Trefoil Seed Sheller; manufactured by the Exhibitor. Price £55. The shelling barrel is placed at the bottom, from which the seed is delivered to the dressing apparatus, where it is thoroughly cleaned, and the seed passes into sacks fit for market.

10,495—Steam Power Cider Mill; manufactured by the Exhibitor. Price £18. Will effectually grind 50 bushels of fruit to a fine pulp in one hour, when driven by a 3-horse power steam engine.

10,496—Double Cider Presses, Mounted on 4 Iron Travelling Wheels; manufactured by the Exhibitor. Price £36. It will press 200 gallons of cider per hour; it has wrought-iron screws 2½-in. diameter.

10,497—Sack-Wheeling and Lifting Barrow; manufactured by the Exhibitor. Price £2 12s. 6d. Very useful for removing sacks from thrashing machines, and in other places.

10,498—Lever-Lifting Jack, with Long Wood Lever; manufactured by the Exhibitor. Price £1 10s. Very useful for placing engines and thrashing machines in a direct line for work.

Stand No. 529.—*A. B. Childs and Son, of 70, Fenchurch Street, London, E.C.*

Article 10,499—(*New Implement.*)—Porcelain Roller Mill, for Grinding Wheat by Granulation; manufactured by F. Wegmann, of Zurich, Switzerland. Price £80. This machine reduces the wheat to semolina, making only 4 to 5 per cent. of flour in the reduction, and thoroughly cleaning the bran.

10,500—(*New Implement.*)—Porcelain Roller Mill, for Softening Middlings into Flour; manufactured by F. Wegmann. Price £85. This machine is driven entirely by straps with differential speed, is of great capacity, and noiseless in working.

10,501—(*New Implement.*)—Porcelain Roller Mill, for Softening Middlings and Regrinding Bran; manufactured by F. Wegmann. Price £70. This machine is driven by machine-cut gear, with differential speed, and runs without noise.

10,502—Patent Aspirator, for Cleaning all Kinds of Grain and Seeds, No. 3 Size; manufactured by the Exhibitors. Price £42. Separating by the action of riddles and aspiration, all substances differing in size and weight, from the good grain or seed. Manufactured in 4 sizes, cleaning from 15 to 200 bushels per hour, according to size.

10,503—6-Horse Power Vertical Steam-Engine, Complete; manufactured by Riches and Watts, of Duke's Palace Iron Works, Norwich. Price £135.

Stand No. 530.—*Riches and Watts, of Dukes Palace Iron Works, Norwich.*

Article 10,504—(*New Implement.*)—Patent “Turnover” Rake, 9 Ft. Wide; manufactured by the Exhibitors. Price £15 15s. A “self-operating” machine for swathe hay, grain, or stubble gleaning. (*For Trial.*)

10,505—12-Horse Power Vertical Compound High and Low Pressure Steam Engine; manufactured by the Exhibitors. Price £150. Strong, well-constructed, and cheap; very economical in coal consumption.

10,506—8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. With steam-jacketed cylinder, and generally much improved in detail.

10,507—4-Horse-Power Vertical Combined Engine and Boiler; manufactured by the Exhibitors. Price £95. Of our well-known type; of first-class workmanship and material.

10,508—3-Horse Power Vertical Steam Engine, without Boiler; manufactured by the Exhibitors. Price £35. Similar to above.

10,509—2-Horse Power Vertical Combined Engine and Boiler; manufactured by the Exhibitors. Price £65.

10,510—Combined Thrashing, Dressing and Finishing Machine; manufactured by the Exhibitors. Price £150. Strongly made, and much improved in the arrangement for “finishing.”

10,511—American Grist Mill, No. 1 Size; manufactured by the Exhibitors. Price £33. With massive iron framing, iron hopper, &c.; the best mill for maize-grinding ever brought out.

10,512—Meal Sifter, No. 1 Size; manufactured by the Exhibitors. Price £6. For attachment to any of our grist mills; invaluable where very fine grist is required.

10,513—American Grist Mill, on Carriage, No. 2 Size; manufactured by the Exhibitors. Price £30. With wheels, shafts, &c., for travelling. Price for mill alone, £22.

10,514—American Grist Mill, No. 3 Size; manufactured by the Exhibitors. Price £17. Similar to above.

10,515—Patent “Eureka” Grist Mill, No. 6 Size; manufactured by the Exhibitors. Price £11. On iron frame, with hopper, &c.; for horse gear. Well adapted for small consumers of grist.

10,516—Patent “Eureka” Grist Mill, No. 7 Size; manufactured by the Exhibitors. Price £15 15s. A fine grinding mill.

10,517—Patent “Eureka” Grist Mill, No. 8 Size; manufactured by the Exhibitors. Price £20. A powerful mill; suitable for maize, &c.

10,518—Patent “Eureka” Grist Mill, No. 9 Size; manufactured by the Exhibitors. Price £42. Extra large and massive mill. Suitable for railway provision stores, cab proprietors, and others—large consumers of grist.

10,519—Lever Horse-Hoe, with Steerage; manufactured by the Exhibitors. Price £12 12s. Improved in general arrangements.

10,520—Patent “Turnover” Rake; manufactured by the Exhibitors. Price £18 18s. Similar to Article No. 10,504, but 11 ft. wide.

10,521—Toppling Rake, with Steel Teeth; manufactured by the Exhibitors. Price £3 10s., 9½ ft. wide; if 11 ft. wide, £4 4s.

10,522—Iron Water-Cart, Improved Pattern; manufactured by the Exhibitors. Price £12 12s. To hold 150 gallons.

10,523—Model of Patent "Turnover" Rake; manufactured by the Exhibitors. (*Not for Sale.*)

Stand No. 531.—*Clayton and Shuttleworth, of Lincoln.*

Article 10,524—12-Horse Power Single Cylinder Portable Steam Engine. Price £280. Fitted with jacketed cylinders, feed water heater, patent crank shaft brackets (stayed), simple reversing eccentric for running the engines in either direction, and mounted upon travelling wheels. Boilers tested at 120 lbs.; working pressure, 60 lbs. Exhibitors were awarded all the First Prizes for engines at all trials at which they have competed since 1849.

10,525—Thrashing and Finishing for Market Machine. Price £160. Drum 60 in. wide, with Gray's patent rolled steel beater plates. Has every known improvement for ensuring clean thrashing, preventing waste, and for finishing the corn for market at one operation. Fitted with patent safety drum guard, to which the R. A. S.'s Silver Medal was awarded at Liverpool, 1877. Awarded First Prizes at various trials of the R. A. S., 1852-72.

10,526—8-Horse Power Portable Steam Engine. Price £210. Similar to Articles No. 10,524 and 10,534. All improvements to ensure simplicity, efficiency, durability; burns wood, peat, straw, sawdust, and other fuel. Completely equipped for work, and sent with full set of spanners, tools, and waterproof cover. Variable expansion gear, £8 extra. Boiler tested at 120 lbs.; working pressure 60 lbs. For list of Prizes see our Catalogue.

10,527—Thrashing, Chaff-Bagging, and Finishing for Market Machine. Price £135. Similar to Article No. 10,525. All the Exhibitors' machines have patent trussed frames of best English oak, which combine rigidity and lightness with great lateral strength and elasticity. Chaff-cleaning and bagging apparatus, £5 extra. For list of R. A. S. E. Prizes from 1852 to 1872, see our Catalogue.

10,528—Iron Frame Circular-Saw Bench, with 42-In. Saw. Price £40. Strong, simple, efficient, and well adapted for estate work, builders, &c. Fitted with self-acting feed motion (price £20 extra), having three different speeds to suit hard or soft wood, and capable of taking in saws up to 4 ft. in diameter. Trucks and rails may be had for supporting the ends of the trees or baulks while being sawn.

10,529—20-Horse Power Single Cylinder Horizontal Fixed Steam Engine. Price £220. The principle of all the Exhibitors' fixed engines is direct action, which simplifies the whole arrangement; are constructed with particular attention to economy, efficiency, and simplicity; erected upon cast-iron bed plate, which only requires to be bolted to a brick foundation. Received four First Prizes at the R. A. S. E. Shows of 1858-70.

10,530—10-Horse Power Double Cylinder Traction Engine; Price £505. Is distinguished for great strength in all parts subject to strain, handy arrangement, facility of steering, both driving wheels being always in gear; fast and slow speed motion; efficient guards to secure the attendants when working or travelling. Boilers tested at 200 lbs., working pressure 100 lbs. Steam water lift to supply tank from a roadside pond or brook, £10 extra.

10,531—4-Horse Power Portable Steam Engine. Price £150. Similar to Articles Nos. 10,524, 10,526, and 10,534, but adapted for small farmsteads and hilly districts, also for driving smaller agricultural implements.

10,532—Iron Frame Corn Grinding Mills, with Best French Burr Stones, 3 Ft. 6 In. Diameter. Price £70 each mill. Can be used either singly or placed in a continuous line up to six in number, and driven by one lay shaft. Any or all may be readily thrown in and out of gear. These mills have received five Royal Show First Prizes.

10,533—8-Horse Power Single Cylinder Traction Engine. Price £400. Similar to Article No. 10,530. All the Exhibitors' traction engines are fitted with patent steerage, strong wrought-iron driving wheels, powerful brake, and suitable for thrashing, pumping, sawing, hauling, and other requirements of agriculturists, builders, contractors, &c. Boiler tested at 200 lbs., working pressure, 100 lbs. Steam water-lift and hose, £10 extra.

10,534—6-Horse Power Portable Steam Engine. Price £180. Similar to Articles Nos. 10,524 and 10,526. All the Exhibitors' engines are of suitable capacity for developing more than double their nominal power while running at moderate speed (or if requisite three times the nominal power.) Boilers tested hydraulically at 120 lbs., working pressure 60 lbs. For Prizes awarded by the R. A. S. E. from 1849 to 1872 inclusive, see our Catalogue.

10,535—Combined Thrashing Machine for Preparing the Corn for the Storehouse or Granary. Price £110. This machine has a drum 63 in. wide, and is constructed with all the Exhibitors' well known improvements, and adapted to meet the requirements of the French agriculturists and corn growers.

10,536—10-Horse Power Portable Steam Engine, Fitted with the Exhibitors' Patent Straw Burning Apparatus. Price £285. Similar construction to Articles Nos. 10,524, 10,527, and 10,534, but has in addition lower part of firebox prolonged to form a furnace for burning straw, cotton, and maize stalks, &c., as well as coal, coke, &c.; readily worked by an unskilled hand. Consumption of straw at recent official trial was only 14 lbs. per hour.

10,537—First Prize Patent Self-Feeding Thrashing, Chaff-Bagging, and Finishing Machine. Price £150. Drum 54 in. wide, and similar in construction to Articles Nos. 10,525 and 10,528. Has Wilder's patent combined guard and self-feeder, which was awarded the R. A. S. E. Medal, 1872, and First Prize 1875. Used with or without self-feeding apparatus. With apparatus, £20; chaff-bagging apparatus, £5; long driving spindle and pulley, £1 extra.

10,538—Portable Chaff-Cutting Elevating and Bagging Machine. Price, large size, with six knives. £52. For cutting straw as it leaves the thrashing machine or otherwise; also for hay. It is provided with six knives, and cuts into lengths varying from $\frac{3}{8}$ -in. upwards; all dust is removed, and the riddled chaff is elevated into bags. Provided with waterproof cover and bags. Extra wheel and set of knives, £4

10,539—Portable Straw Elevator (Haye's Patent). Price £49. To be worked in conjunction with a thrashing machine, from which it receives the straw direct, carries it to a height of 22 ft., and delivers to any angle. The frame is of best English oak. R. A. S. E. Prize was awarded to this elevator, Cardiff, 1872.

10,540—First Prize Stacking Elevator. Price £45. For straw, hay, sheaf-corn, beans, &c.; will elevate to any height up to 25 feet, and deliver at any angle; may be driven either from a thrashing machine, portable engine, or by an ordinary 1-horse gear. Received the R. A. S. E. First Prize at Cardiff, 1872.

10,541—Small 1-Horse or Pony Gear, on Iron Frame. Price £7. For driving a stacking elevator or other implement. For convenience when travelling with a stacker, provision is made for carrying the gear on the frame of the latter.

10,542—Traction Waggon to Carry 6 Tons, Price £70. Suitable for agriculturists, contractors, &c.; strong, durable, and mounted on broad faced travelling wheels. Powerful screw friction brake, £3 extra.

10,543—Sack-Lifting and Running Barrow. Price £2 10s. each. A valuable adjunct to a thrashing machine; also suitable for a warehouse or barn, by which one man can remove or load sacks of grain without assistance.

10,544—Patent Lifting Chocks. Price £2 10s. per set. Suitable for a thrashing machine. In addition to "chocking" the wheels, a machine can be placed perfectly level with them, this being of great importance when thrashing.

10,545—Patent "Handy" Chocks. Price, for 6 in. wide, 17s. 6d. each. Suitable for engines or thrashing machines at work, and specially adapted for chocking the wheels of machinery on steamers' decks, being "handy," simple, perfectly secure, and most readily fixed.

10,546—Screw Jack to Lift 8 Tons. Price £2 5s.

10,547—Screw Jacks to Lift 4 Tons. Price £1 10s. each.

10,548—Lifting Jack, with Long Lever. Price £1 10s. To assist in placing an engine and thrashing machine in a direct line for thrashing.

10,549—Rolled Steel Beater Plates (Gray's Patent). Price, 54 in. long, 4s. 6d. each. Made in various lengths. The Exhibitors are the sole licensees and manufacturers. Purchasers are cautioned not to purchase any other than Rolled Steel Beater Plates. All the foregoing articles are manufactured by the Exhibitors, from whom further particulars may be had at the Stand, or full descriptive Catalogues will be forwarded on application by post.

Stand No. 532.—*Davey, Paxman, and Co., of the Standard Iron Works, Colchester, Essex.*

Article 10,550—4-Horse Power Portable Engine (Single Cylinder); manufactured by the Exhibitors. Price £150. This engine is mounted on wrought-iron road wheels; the front carriage is also of wrought-iron. It is provided with the R. A. S. E. Prize medal water-heater, improved quick speed governors, &c. Complete in every respect with new waterproof cover, spanners, oil feeder and firing irons.

10,551—6-Horse Power Portable Engine (Single Cylinder); manufactured by the Exhibitors. Price £180. A similar engine in all respects to the 4-horse power above described.

10,552—8-Horse Power Portable Engine (Single Cylinder); manufactured by the Exhibitors. Price £210. A similar engine to the 4-horse power portable above described.

10,553—12-Horse Power Portable Engine (Double Cylinder); manufactured by the Exhibitors. Price £305. A similar engine to the 4-horse power portable above described, but with double cylinders in lieu of single cylinders.

10,554—2-Horse Power Vertical Engine and Boiler; manufactured by the Exhibitors. Price £72 10s. The "Davey & Paxman" boiler, provided with their patent circulating tubes and the fire box of best Yorkshire iron. Engine detached from boiler, and has quick speed governors, turned fly wheel, and feed pump. Boiler provided with patent adjustable Baffle plate, and mounted with engine on cast-iron base-plate forming water-tank.

10,555—3-Horse Power Vertical Engine and Boiler; manufactured by the Exhibitors. Price £85. Similar in all respects to 2-horse power above described.

10,556—4-Horse Power Vertical Engine and Boiler; manufactured by the Exhibitors. Price £100. Similar in all respects to 2-horse power above described.

10,557—6-Horse Power Vertical Engine and Boiler; manufactured by the Exhibitors. Price £125. Similar in all respects to 2-horse power above described.

10,558—4-Horse Power Standard Vertical Engine; manufactured by the Exhibitors. Price £47. Similar in all respects to 2-horse power above described, but without boiler.

10,559—4-Horse Power Horizontal Steam Engine; manufactured by the Exhibitors. Price £49. This engine is self-contained on cast-iron bed-plate, and provided with quick speed governors, turned fly-wheel, feed pump, and starting valve.

10,560—12-Horse Power Improved Horizontal High Pressure Girder Engine; manufactured by the Exhibitors. Price £132 10s. Very compact, all the parts being easy of access; the girder forming cylinder cover, crosshead guides, main carriage for shaft, and foot for bolting to foundation is one casting, to which the cylinder and valve chest are bolted. Provided with quick speed governors, turned fly-wheel, feed pump, and starting valve.

10,561—8-Horse Power Portable Steel Boiler; manufactured by the Exhibitors. Price £90. This material being stronger and much more durable, we are now introducing it.

10,562—Steam Corn Dryer; manufactured by the Exhibitors. Price £57 10s. This machine is capable of drying all kinds of granular material thoroughly well without injury. Awarded the R. A. S. E. Silver Medal.

10,563—Iron Circular Saw Bench; manufactured by the Exhibitors. Price £24. Plain bench, 5 ft. 6 in. long, 2 ft. 8 in. broad, and 36-in. circular saw. Striking out gear and loose pulley, £2 extra; diagonal fence, £1 extra. This saw bench is of greatly improved construction, and is strong, simple, and cheap. The fence is readily adjusted for cutting feather edge boarding, and for moving at right angles and parallel to the saw.

Stand No. 533.—*Edmund Samuel Hindley, of Bourton, Dorset.*

Article 10,564—5-Horse Power Vertical Steam Engine and Boiler; manufactured by the Exhibitor. Price £100. Complete on water tank foundation.

10,565—2-Horse Power Vertical Steam Engine and Boiler; manufactured by the Exhibitor. Price £55. Complete on water tank foundation.

10,566—1-Horse Power Vertical Steam Engine and Boiler; manufactured by the Exhibitor. Price £39. Complete on water tank foundation.

10,567—4-Horse Power Vertical Steam Engine and Boiler; manufactured by the Exhibitor. Price £88. Complete on water tank foundation; 4 travelling wheels and shafts, £9 extra.

10,568—3-Horse Power Vertical Steam Engine and Boiler; manufactured by the Exhibitor. Price £70. Complete on water tank foundation; 4 travelling wheels and shafts, £9 extra.

10,569—2-Horse Power Vertical Steam Engine and Boiler; manufactured by the Exhibitor. Price £55. Complete on water tank foundation; 4 travelling wheels and shafts, £4 extra.

10,570—1½-Horse Power Vertical Steam Engine and Boiler; manufactured by the Exhibitor. Price £47. Complete on water tank foundation; 3 wheels, £2 extra.

10,571—1-Horse Power Vertical Steam Engine and Boiler; manufactured by the Exhibitor. Price £39. Complete on water tank foundation; 3 wheels, £2 extra.

10,572—1½-Horse Power Vertical Steam Engine; manufactured by the Exhibitor. Price £18.

10,573—5-Horse Power Vertical Engine; manufactured by the Exhibitor. Price £51. Complete, with reversing gear.

10,574—4-Horse Power Hoisting Engine and Boiler; manufactured by the Exhibitor. Price £130. Complete on water tank, and wheels and shafts for horse.

10,575—Combined Portable Mortar Mill and Steam Engine; manufactured by the Exhibitor. Price £130. With 5-ft. pan complete.

10,576—Small Steam Hoist for Corn, &c.; manufactured by the Exhibitor. Price £40.

10,577—5-Horse Power Horizontal Steam Engine; manufactured by the Exhibitor. Price £35. New design.

10,578—1-Horse Power Gas Boiler and Engine; manufactured by the Exhibitor. Price £48.

10,579—Saw Bench, No. 1; manufactured by the Exhibitor. Price £12 10s., will take 22-in. saw. For rising and falling spindle, £3; boring table, £2 5s.; band-sawing apparatus, £6 extra.

10,580—Saw Bench, No. 2; manufactured by the Exhibitor. Price £15 10s., will take 28-in. saw. For rising and falling spindle, £3 10s.; boring table, £2 10s.; band-sawing apparatus, £7 10s. extra.

10,581—Saw Bench, No. 3; manufactured by the Exhibitor. Price £20, will take 36-in. saw. For rising and falling spindle, £4 10s.; boring table, £3 10s.; band-sawing apparatus, £10 10s. extra.

10,582—Albion Grist Mill; manufactured by the Albion Iron Works Company, of Rugeley. Price £15 10s.

10,583—Chaff Cutter; manufactured by Harrison, M'Gregor and Co., of Leigh. Price £10.

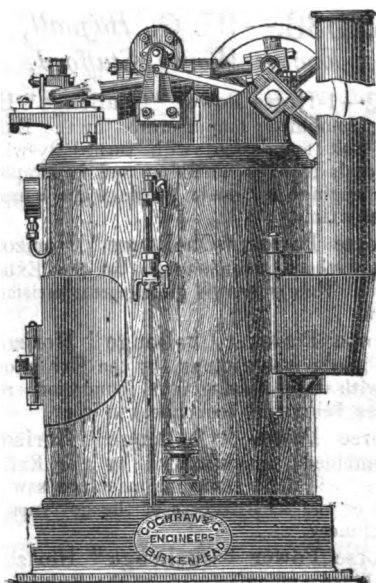
10,584—"Comet" Rotary Pump; manufactured by Bartrum and Powell, of London. Price £7 10s.

10,585—Length of Shafting, Pulleys, and Carriages; manufactured by the Exhibitor. Price £5.

10,586—Cutter Block for Saw Bench; manufactured by the Exhibitor. Price 15s.

Stand No. 534.—*Cochran and Co., of Birkenhead, Chester.*

Article 10,587—(New Implement.)—3-Horse Power Portable Engine and Boiler Combined; manufactured by the Exhibitors. Price £95. Boiler, Cochran's patent, 30 sq. ft. of heating surface, contains 32 tubes; engine of an entirely new design, most substantial construction, cylinder $5\frac{1}{2}$ in. diameter by 7 in. stroke; the seat forms a water tank; is mounted on wheels, and requires no fixing; most economical, both in fuel and space.



10,588—(New Implement.)—6-Horse Power Cochran's Patent Vertical Multitubular Boiler with Horizontal Flue Tubes; manufactured by the Exhibitors. Price £51. Heating surface, 60 sq. ft.; diameter of boiler, 3 ft. 3 in. by 4 ft. 9 in. high; contains 45 tubes. The evaporative power of this boiler is equal to the best portable engine practice, and it is the only accessible small boiler made.

10,589—(New Implement.)—4-Horse Power Cochran's Patent Vertical Boiler with complete Mountings; manufactured by the Exhibitors. Price £41 11s. Similar in all respects to the 6-horse power boiler above described. In these boilers the tubes can be swept without stopping the working of the boiler, and access is given to both tube plates for cleaning and repairs.

10,590—(New Implement.)—3-Horse Power Cochran's Patent Steam Launch Boiler; manufactured by the Exhibitors. Price £42. This boiler is 2 ft. 6 in. diameter by 3 ft. high; the top is bolted on, and when removed gives complete access to the inside; there are 48 brass tubes $1\frac{1}{8}$ in. diameter; total heating surface, 30 sq. ft. In other respects similar to boilers above described.

10,591—Selection of Flange Tube Plates; manufactured by the Exhibitors. Price £1 to £5. These plates show what the tubes are fixed to in the shells of Cochran's patent boilers.

Stand No. 535.—*W. N. Nicholson and Son, of the Trent Iron Works, Newark, Nottingham.*

For particulars of entry, see Stand No. 102 in Implement Sheds.

Stand No. 536.—*W. G. Bagnall, of the Castle Engine Works, Stafford.*

Article 10,592—1-Horse Power "Challenge" Horizontal Engine and Vertical Boiler combined; manufactured by the Exhibitor. Price £40. On water-heating tank foundation, with turned fly-wheel, driving pulley, pump, and governor; it requires no fixing, and is complete in itself without any extras. These engines are made to gauge and templet; duplicate parts can be supplied at any time.

10,593—2-Horse Power "Challenge" Horizontal Engine and Vertical Boiler combined; manufactured by the Exhibitor. Price £55. Similar to the above. This engine is giving great satisfaction to farmers and small manufacturers.

10,594—3-Horse Power "Challenge" Horizontal Engine and Vertical Boiler combined; manufactured by the Exhibitor. Price £70. The whole is complete with water-heating tank foundation; requires no fixing; is invaluable to farmers, being very economical in work.

10,595—4-Horse Power "Challenge" Horizontal Engine and Vertical Boiler combined; manufactured by the Exhibitor. Price £88. Similar to the above; will drive thrashing machines, saw benches, &c. These engines, on account of the sensitiveness of the governor, are much liked for driving electric machinery.

10,596—5-Horse Power "Challenge" Horizontal Engine and Vertical Boiler combined; manufactured by the Exhibitor. Price £100. A very complete and substantial engine, useful for large farmers and for many other purposes; will drive thrashing machine, bone mill, saw bench, &c.

10,597—6-Horse Power "Challenge" Horizontal Engine and Vertical Boiler combined; manufactured by the Exhibitor. Price £115. A very substantial engine, which is giving the greatest satisfaction to all parties using same; two others, same size, may be seen at work on the show ground driving Mr. Sherwin's bone mills, &c. These engines are made to same design, combined with boilers up to 12-horse power.

10,598—1-Horse Power "Challenge" Horizontal Engine; manufactured by the Exhibitor. Price £15. With turned fly-wheel, driving pulley, feed pump, governor, and stop cock complete; will drive printing machines, lathes, sewing machines, &c.; wearing surfaces are large, self-lubricating, and are easily adjustable by amateurs.

10,599—2-Horse Power "Challenge" Horizontal Engine; manufactured by the Exhibitor. Price £20. Similar to the above.

10,600—3-Horse Power "Challenge" Horizontal Engine; manufactured by the Exhibitor. Price £30. Similar in design to the 1-horse power.

10,601—4-Horse Power “Challenge” Horizontal Engine; manufactured by the Exhibitor. Price £36. A large stock of these engines kept for immediate delivery; all parts made to gauge and templet. These engines are specially adapted for export.

10,602—5-Horse Power “Challenge” Horizontal Engine; manufactured by the Exhibitor. Price £46.

10,603—6-Horse Power “Challenge” Horizontal Engine; manufactured by the Exhibitor. Price £52.

10,604—8-Horse Power “Challenge” Horizontal Engine; manufactured by the Exhibitor. Price £62.

10,605—10-Horse Power “Challenge” Horizontal Engine; manufactured by the Exhibitor. Price £74.

10,606—12-Horse Power “Challenge” Horizontal Engine; manufactured by the Exhibitor. Price £88.

10,607—No. 7, Vertical Tubular Boiler; manufactured by the Exhibitor. Price £44. With ash pit and mountings complete.

10,608—No. 5, Vertical Cross-Tube Boiler; manufactured by the Exhibitor. Price £35. With ash pit and mountings complete.

10,609—Locomotive Engine, “The Brick”; manufactured by the Exhibitor. Price £260. Has been at work at the Beckenham and Penge Brick Works; lent by Messrs. Rhodes for exhibition only; total height, 4 ft. 10½ in.; gauge, 20 in. These engines are giving the greatest satisfaction, taking 26 tons and more on the level road; speed, 8 to 12 miles per hour. Has copper fire box and brass tubes. For further particulars see Circular.

10,610—Locomotive Engine; manufactured by the Exhibitor. Price £337. With copper fire box, brass tubes, 5-in. cylinders, 2-ft. 6-in. gauge; will take 43 tons on the level road in ordinary work. All parts are made to gauge and templet; duplicate parts can be supplied at any time, or supplied with the engines when first going out.

Stand No. 537.—*Thomas Charles Watts, of Cordova Works, Bow, London, E.*

Article 10,611—(*New Implement.*)—10-Horse Power Boiler (Watts’ Patent); manufactured by the Exhibitor. Price £85. In this arrangement the products of combustion pass three times through the boiler, and around each side, before passing to the chimney, thus ensuring great economy of fuel. It is at the same time simple, cheap, durable, and accessible, and can be constructed of any size or shape required.

10,612—10-Horse Power Steam Engine (Watts’ Patent); manufactured by the Exhibitors. Price £55. Is fitted with patent automatic variable expansion gear, ensuring great economy of fuel; is very simple, compact, cheap, and durable, requires no special foundation, and all the working parts are enclosed. The patent expansion gear is charged £7 10s. extra, also fly-wheels if required. Can be constructed with any number of cylinders.

10,613—2-Horse Power Engine (Watts’ Patent); manufactured by the Exhibitor. Price £19 10s.; governors, £3 15s. extra. This engine also requires no special foundation, has inverted single-acting cylinders, and carries 2 fly-wheels clear of the ground; no long steam passages, stuffing boxes, or packing, and has but one steam joint. These points are also obtained in Article No. 10,612.

Stand No. 538.—*Joseph James Lane, of Cranbrook Street, Old Ford Road, London, E.*

Article 10,614—6-Horse Power Horizontal Engine, Complete, with all Bright Fittings; manufactured by the Exhibitor. Price £60.

10,615—4-Horse Power Horizontal Engine, Complete, with all Bright Fittings; manufactured by the Exhibitor. Price £40.

10,616—3-Horse Power Horizontal Engine, Complete, with all Bright Fittings; manufactured by the Exhibitor. Price £27.

10,617—2½-Horse Power Horizontal Engine, Complete, with all Bright Fittings; manufactured by the Exhibitor. Price £22.

10,618—3-Horse Power Vertical Engine and Boiler Combined, Complete, with all Bright Fittings; manufactured by the Exhibitor. Price £76.

10,619—2-Horse Power Vertical Engine and Boiler Combined, Complete, with all Bright Fittings; manufactured by the Exhibitor. Price £60.

10,620—½-Horse Power Vertical Engine and Boiler Combined, Complete, with all Bright Fittings; manufactured by the Exhibitor. Price £40.

Stand No. 539.—*The General Engine and Boiler Company, of 8, Union Court, Old Broad Street, E.C.; and the Hatcham Ironworks, Pomeroy Street, Old Kent Road, London, S.E.*

Article 10,621—20 Nominal Horse Power Patent Horizontal "Express" Engine; manufactured by the Exhibitors. Price £128; standards extra. Mounted on cast-iron standards, cylinder 12 in. diameter, 20 in. stroke, lagged with polished wood, bound with brass hoops, complete, with 2 fly-wheels, governor, feed-pump, and stop valve. The standards raise it off the ground, saving expense of heavy brickwork, and render engine easily accessible.

10,622—16 Nominal Horse Power Patent Horizontal "Express" Engine; manufactured by the Exhibitors. Price £99. Cylinder 10 in. diameter, 16 in. stroke, lagged with polished wood, bound with brass hoops, complete, with two fly-wheels, governor, feed-pump, and stop valve.

10,623—12 Nominal Horse Power Patent Horizontal "Express" Engine; manufactured by the Exhibitors. Price £70. Cylinder 8½ in. diameter, 14 in. stroke, lagged with polished wood, bound with brass hoops, complete, with 2 fly-wheels, governor, stop valve, and feed-pump.

10,624—9 Nominal Horse Power Patent Horizontal "Express" Engine; manufactured by the Exhibitors. Price £56. Cylinder 7½ in. diameter, 12 in. stroke, lagged with polished wood, bound with brass hoops, complete, with two fly-wheels, governor, stop valve, and feed-pump.

10,625—7 Nominal Horse Power Patent Horizontal "Express" Engine; manufactured by the Exhibitors. Price £47. Cylinder 6½ in. diameter, 10 in. stroke, lagged and bound with brass hoops, complete, with 2 fly-wheels, governor, stop valve, and feed-pump.

10,626—5 Nominal Horse Power Patent Horizontal "Express" Engine; manufactured by the Exhibitors. Price £39; standards, extra. Mounted on cast-iron standards, cylinder 5½ in. diameter, 8 in. stroke, lagged and bound with brass hoops, complete, with 2 fly-wheels, governor, stop valve, and feed-pump.

10,627—3 Nominal Horse Power Patent Horizontal “Express” Engine; manufactured by the Exhibitors. Price £30; standards, extra. Mounted on cast-iron standards, cylinder $4\frac{1}{2}$ in. diameter, $6\frac{1}{2}$ in. stroke, lagged and bound with brass hoops, complete, with 2 fly-wheels, governor, stop valve, and feed-pump.

10,628—4 Nominal Horse Power Horizontal “Express” Engine, Combined with Vertical Boiler; manufactured by the Exhibitors. Price £80. This Engine is of $5\frac{1}{2}$ -in. cylinder, 8-in. stroke, lagged, with two fly-wheels, governor, stop valve, and feed-pump. The boiler is of extra quality, proved to double the working pressure. Engine and boiler are on a cast-iron base-plate, with connecting pipes and chimney, and can be started to work on delivery.

10,629—8 Nominal Horse Power Northcott’s Patent High-Pressure Boiler; manufactured by the Exhibitors. Price £80. This boiler will evaporate 10 lbs. of water per pound of coals burnt; is a very quick generator of steam, admits of complete accessibility to the interior for examination and cleansing, is absolutely safe from explosion, free from priming, and requires very inexpensive brickwork foundations.

10,630—1-Horse Power Engine with Gas-Heated Boiler; manufactured by the Exhibitors. Price £56.

10,631— $\frac{1}{2}$ -Horse Power Engine with Gas-Heated Boiler; manufactured by the Exhibitors. Price £45.

Stand No. 540.—*Edwin Foden, of Elworth Foundry, Sandbach, Chester.*

Article 10,632—14-Horse Power “Elworth” Engine; manufactured by the Exhibitor. Price £103. This engine has been designed to obtain the greatest amount of power with the least possible fuel, and combines all the latest improvements; the governor is on Porter’s principle, and is acknowledged by most practical men to be the most sensitive ever made; the pistons are made on Mather and Platt’s spiral metallic spring principle.

10,633—10-Horse Power “Elworth” Engine; manufactured by the Exhibitor. Price £73. This is similar in all respects to above, only smaller; the cylinder is 10 in. and 16 in. stroke single slide, which cuts off steam at half stroke.

10,634—6-Horse Power “Elworth” Engine; manufactured by the Exhibitor. Price £49 10s. Similar to 14-horse power, only has an 8-in. cylinder, 12-in. stroke; will drive a large sized finishing thrashing machine, and any other work requiring equal power.

10,635—4-Horse Power “Elworth” Engine; manufactured by the Exhibitor. Price £37. This engine is specially adapted and is of suitable size for agriculturists, and will grind 4 sacks of Indian corn per hour with one of Barford’s No. 3 grist mills.

10,636—3-Horse Power “Elworth” Engine; manufactured by the Exhibitor. Price £28. This is very suitable for chopping, pulping, churning, and other purposes where only small power is required.

10,637—14-Horse Cornish Boiler; manufactured for the Exhibitor. Price £122. Including all the boiler fittings, and is of suitable size to drive the 14-horse power “Elworth” engine.

Stand No. 541.—*Alfred Dodman, of Highgate Foundry, King's Lynn, Norfolk.*

Article 10,638—2-Horse Power Vertical Engine; manufactured by the Exhibitor. Price £25. The engine is self-contained in one casting, with governors and pump complete.

10,639—2-Horse Power Vertical Engine and Boiler; manufactured by the Exhibitor. Price £59. This engine and boiler is combined on one cast-iron bed-plate, and fitted with wheels and shafts; well adapted for farm work.

10,640—3-Horse Power Vertical Engine; manufactured by the Exhibitor. Price £30. This engine is self-contained in one casting, with governors and pump complete.

10,641—3-Horse Power Engine and Boiler; manufactured by the Exhibitor. Price £78. This engine and boiler is combined, and fitted on water-tank foundation plate. The water is heated by exhaust steam. Mounted on wheels.

10,642—3-Horse Power Vertical Engine and Boiler; manufactured by the Exhibitor. Price £95. Engine and boiler combined, and fitted on water-tank foundation plate as above, with barrel for hoisting grain or other material. Mounted on wheels. They obtained Honourable Mention at the Paris Exhibition, are noted for their compactness, and are easily managed and inexpensive to repair. Boilers can be cladded at a small extra cost.

10,643—Saw Bench, for 24-In. Saw; manufactured by the Exhibitor. Price £16. A good strong bench for general purposes.

Stand No. 542.—*Tuxford and Sons, of the Boston and Skirbeck Iron Works, Boston, Lincolnshire.*

Article 10,644—8-Horse Power Jacketed Portable Engine; manufactured by the Exhibitors. Price £210.

10,645—4-Horse Power Portable Engine; manufactured by the Exhibitors. Price £150.

10,646—3-Horse Power Portable Engine; manufactured by the Exhibitors. Price £115.

10,647—2-Horse Power Portable Engine; manufactured by the Exhibitors. Price £95.

10,648—Combined Thrashing and Finishing Machine; manufactured by the Exhibitors. Price £140.

10,649—Circular Saw Table, No. 2; manufactured by the Exhibitors. Price £19 10s.

10,650—Centrifugal Pump, No. 6, for Drainage, with Foot Valves and Strainers; manufactured by the Exhibitors. Price £53 5s.

10,651—Centrifugal Indian Pump, No. 3, for Irrigation; manufactured by the Exhibitors. Price £46 10s.

10,652—Centrifugal Pump, No. 5, for Drainage and Irrigation; manufactured by the Exhibitors. Price £31 10s.

10,653—Saw Table Horse; manufactured by the Exhibitors. Price £5.

Stand No. 543.—*William Foster and Co. (Limited), of the Wellington Foundry, Lincoln.*

Article 10,654—10-Horse Power Single Cylinder Portable Steam Engine; manufactured by the Exhibitors. Price £240. Fitted with all the latest improvements, and complete. An extra charge for expansion valve.

10,655—Finishing Thrashing Machine; manufactured by the Exhibitors. Price £160. Drum 5 ft. wide. Fitted with our improved self-acting safety drum fence, and all the latest improvements complete.

10,656—8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. Fitted with all the latest improvements, and complete. An extra charge for expansion valve.

10,657—Finishing Thrashing Machine; manufactured by the Exhibitors. Price £150. Drum 4 ft. 6 in. wide. Fitted with our improved self-acting safety drum fence, and with all the latest improvements complete. Apparatus for cleansing and bagging the chaff, £5 extra.

10,658—6-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £180. Fitted with all the latest improvements, and complete. An extra charge for expansion valve.

10,659—Small Size Finishing Thrashing Machine; manufactured by the Exhibitors. Price £135. Drum 4 ft. 6 in. wide. Fitted with our improved self-acting safety drum fence, and with all the latest improvements complete.

10,660—Combined Stacker and Straw Elevator; manufactured by the Exhibitors. Price £45. This machine may be used for stacking sheaves or hay in harvest time; or it may be used as a straw elevator in connecting with the thrashing machine. Pony gear to drive the machine as a stacker, £7 extra.

Stand No. 544.—*Nalder and Nalder (Limited), of Challow Iron Works, Wantage, Berks.*

Article 10,661—(*New Implement.*)—New Patent Self-Feeding Chaff-Bagging, Straw-Elevating, Finishing, Thrashing Machine, Large Size, with 54-In. Drum; manufactured by the Exhibitors. Price £230. This implement performs the work of a thrashing machine and straw elevator; in addition, it delivers the straw at any angle without stopping the work. If desirable, it may be used without the straw elevating portion.

10,662—Finishing Thrashing Machine; manufactured by the Exhibitors. Price £170. Fitted with 5-throw shaker cranks for straight delivery of straw.

Stand No. 545.—*Brown and May, of the North Wilts Foundry, Devizes, Wiltshire.*

Article 10,663—2½-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £105. Steam cylinder 5½ in. diameter, and

jacketed. For the minor operations of a farm this engine is admirably suited; also for manufacturing purposes. For further particulars of this, as well as the other articles on the stand, see Exhibitors' private Catalogue, which is given free on application.

10,664—4-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £150. Has 6½-in. steam jacketed cylinder, and is fitted as the above with every recent improvement, patent steam blast tube cleaner, feed water heater, &c. The governors are very sensitive, and these engines have been successfully employed for driving electric-lighting machinery.

10,665—6-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £180. Has 8½-in. steam jacketed cylinder, and is similar in every respect, except size, to the above. Can be had with either wood or iron wheels.

10,666—7-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £195. This is the most suitable size of engine for the general purposes of a farm, having a 9-in. steam cylinder. Is also fitted with a handy arrangement for shifting either itself or its thrashing machine for short distances, say from stack to stack, without the aid of horse labour; extra cost £3 only.

10,667—8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. Fitted with 9½-in. steam jacketed cylinder, and with all improvements of recent times. Waterproof cover and a complete equipment for working included in the prices.

10,668—12-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £205. This engine is fitted with a pair of 8½-in. cylinders, and, like all the above, is furnished with every appliance for securing economy with durability, all workmanship and material being of the very first class.

Stand No. 546.—*Frederick Savage, of St. Nicholas Iron Works, King's Lynn, Norfolk.*

Article 10,669—10-Horse Power "Agriculturist" Locomotive and Winding Engine Combined; invented, patented, and manufactured by the Exhibitor. Price £600. Fitted with water-lifter to fill tank, and steel gearing complete; adapted for ploughing on the roundabout system, hauling on common roads, thrashing, &c.; the driving wheels are used as winding-drums; new speed gearing, from 180 yards to 5 miles per hour.

10,670—Pair of Self-Moving Anchors; invented, patented, and manufactured by the Exhibitor. Price £100. Made entirely of iron, and very strong. The whole weight of the anchors rests on the retaining tines; they can be put down to any depth, according to the soil, and are automatically lifted each time the implement comes up to the anchors, and then moves forward for the next "bout," at the will of the man on the implement.

10,671—4- or 3-Furrow Steam Plough and Digger; patented and manufactured by the Exhibitor. Price £80; fitted with steel skiffs, £14 extra; and adapted to plough from 2½ in. to 7 in. deep with 4 furrows, and from 5 in. to 12 in. deep with 3 furrows. It can be altered from a 4-furrow to a 3-furrow, and *vice versa*, in a few minutes. By this arrangement the power is equalized.

10,672—4-Ring Self-Acting Presser; patented and manufactured by the Exhibitor. Price £12. Made to work with the foregoing plough, and the price includes draw bar and chains.

10,673—New 7 Steel Tine Self-Lifting and Turning Steam Cultivator; patented and manufactured by the Exhibitor. Price £90. A strong implement, will break up land to any depth; can be lifted in any part of the field, and at the ends before arriving at the anchor, thus saving all side strain, and extra strain upon the rope in moving anchors on the headlands for the next "bout;" steam therefore is not required at so high a pressure.

10,674—New Small Harrow and Attachments, also Self-Turning; invented and manufactured by the Exhibitor. Price £6. To work behind the cultivator.

10,675—(*New Implement.*)—Large Steam Harrow, 10 Ft. Wide; invented and manufactured by the Exhibitor. Price £35. To work under the cultivator frame, thus saving an extra steering frame. It is specially adapted to work in land which has been broken up the previous autumn, and it will do anything necessary in spring to make the land in a fit state for the various crops.

10,676—Set of Straight Tines to Fit to the aforesaid Harrow; manufactured by the Exhibitor. Price £5. They are for rough land, and the harrow can be lifted in any part of the field to clear itself, in case of its getting choked, without stopping the engine. By this simple arrangement there is a combination of three implements in one, at just half the nett cost.

10,677—Pair of Large Safety Snatch Blocks; invented and manufactured by the Exhibitor. Price £12. They are each fitted with wood and chains complete, and 2 small friction rollers to keep the rope in its place, and with improved oil-boxes.

10,678—Small Safety Snatch Block; invented and manufactured by the Exhibitor. Price £3. Fitted with anchor and chain complete.

10,679—Pair of Draw Bars and Lifting Jacks Combined; invented and manufactured by the Exhibitor. Price £3 15s. each.

10,680—3-Wheel Rope Porter; improved and manufactured by the Exhibitor. Price £2 5s.

10,681—Pick-up Rope Porter; improved and manufactured by the Exhibitor. Price £2 5s.

Stand No. 547.—*Proctor and Wallis, of Talbot Engine Works, Tustin Street, London, S.E.*

Article 10,682—(*New Implement.*)—2-Horse Power "Talbot" Engine and Boiler Combined; manufactured by the Exhibitors. Price £59. The cylinder is fitted in the steam-space of the boiler; the boiler is surrounded by an annular air-space or combustion-chamber, so that inside and outside plates are one entire heating surface. The furnace is of fire-clay; working pressure, 70 lbs.

10,683—(*New Implement.*)—4-Horse Power "Talbot" Engine and Boiler Combined; manufactured by the Exhibitors. Price £89. Same description as the 2-horse power "Talbot." Consuming only an ordinary office scuttleful of coal per day. Fitted on water-tank, and mounted on wheels; working pressure, 70 lbs.

10,684—6-Horse Power Horizontal Steam Engine; manufactured by the Exhibitors. Price £59. With feed-pump and combined equilibrium throttle-valve and governor complete. Bedplate running entire length, and planed in all the seatings; cylinder, 8 in. diameter by 15 in. stroke.

10,685—1½-Horse Power "Cleopatra" Engine and Boiler Combined; manufactured by the Exhibitors. Price £42. A little "pedestal" engine, independent of the boiler, and mounted on wheels.

10,686—3-Horse Power Combined Horizontal Engine and Vertical Boiler; manufactured by the Exhibitors. Price £72. Diameter of cylinder, 5½ in.; length of stroke, 9 in.; fly-wheel, 3 ft. 6 in. diameter by 4½ in. wide; about 2 cwt. 3 qrs. weight.

10,687—Chaff Cutter; manufactured probably, by Richmond & Chandler, of Salford, Manchester. Price £13 10s. With fast and loose pulleys and self-feeding web. Will be worked by the "Talbot" engine.

Stand No. 548.—*Philip and Henry Philip Gibbons, of the Vale of White Horse Iron Works, Wantage, Berkshire.*

Article 10,688—8-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £210. Fitted with steam-jacketed cylinders, feed-water heater, &c.

10,689—7-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £195. For thrashing and general agricultural purposes.

10,690—6-Horse Power Portable Steam Engine; manufactured by the Exhibitors. Price £180. Fitted with steam-jacketed cylinder, feed-water heater, &c.

10,691—6-Horse Power Horizontal Engine, with Vertical Boiler; manufactured by the Exhibitors. Price £135. Fitted with Gibbons' patent elliptic governors; massive fly-wheel, &c.

10,692—4-Horse Power Horizontal Engine, with Vertical Boiler; manufactured by the Exhibitors. Price £100. Suitable for driving grinding mills, chaff cutters, and other machinery.

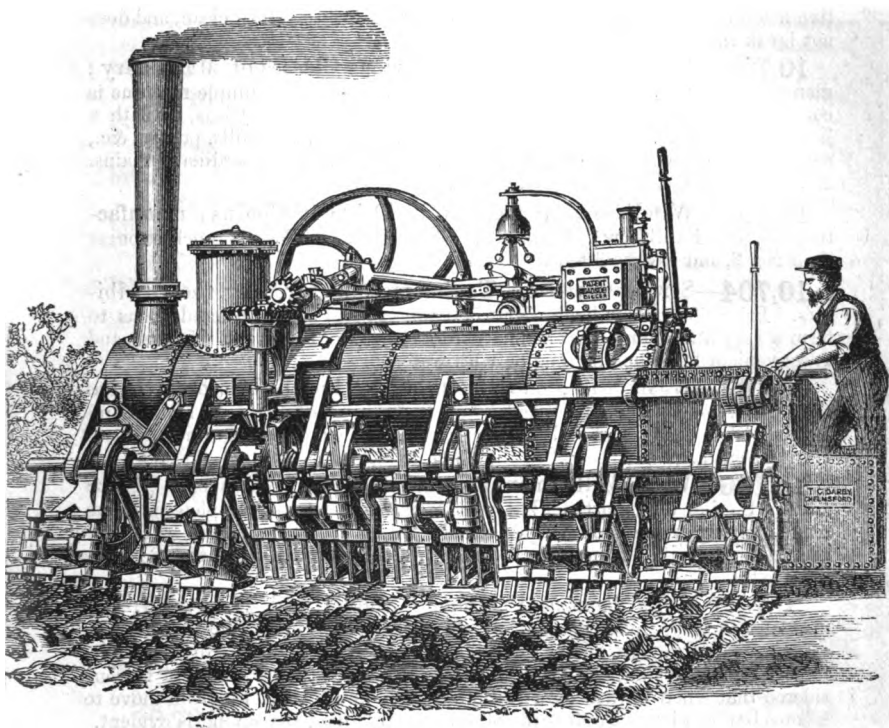
10,693—Class A, Finishing Thrashing Machine, with Self-Feeding Apparatus; manufactured by the Exhibitors. Price £150. Drum, 4 ft. 6 in. wide; fitted with patent adjustable screen, and all recent improvements. Patent self-feeder, £20 extra.

10,694—Class A, Finishing Thrashing Machine, with Chaff Bagging Apparatus; manufactured by the Exhibitors. Price £150. Fitted with a very efficient barley horner. Improved chaff bagging and cleaning apparatus, £5 extra.

10,695—Class B, Finishing Thrashing Machine; manufactured by the Exhibitors. Price £135. Fitted with patent adjustable screen and all recent improvements.

Stand No. 549.—*T. C. Darby, of Pleshey,
Chelmsford, Essex.*

Article 10,696—(*New Implement.*)—Darby's Patent Broadside Digging Machine; manufactured by the Exhibitor. Price £1000.



Stand No. 550.—*W. and S. Eddington and Co.,
of Chelmsford, Essex.*

Article 10,697—Portable Steam Engine, 8-Horse Power; manufactured by the Exhibitors. Price £190. Will work at $2\frac{1}{4}$ times the nominal power, and is exceedingly simple, strong, and economical; each engine is fitted with safety valve, pressure gauge, water gauge, whistle, tool box fixed to engine, water heater, and all necessary tools, &c.

10,698—Portable Steam Engine, 10-Horse Power; manufactured by the Exhibitors. Price £220. Similar to Article No. 10,697.

10,699—Special Contractor's Portable Engine, 10-Horse Power; manufactured by the Exhibitors. Price £240. Fire box of boiler is circular, without stays, and by taking out one row of rivets and tubes, it is easily taken out and replaced; ample room for examination and cleaning; combines the advantages of portable engine and the fixed Cornish boiler, without their defects. 2 winding drums, &c., for hoisting, £75 extra.

10,700—(*New Implement.*)—Traction Engine, 8-Horse Power; manufactured by the Exhibitors. Price £400. Specially designed to combine the greatest simplicity with durability, so that it will stand the greatest amount of hard work possible. Gearing of steel, wheels of wrought-iron, with steel strokes and tires; steel used wherever practicable.

10,701—Finishing Threshing Machine, 4 Ft. 6 In. Wide; manufactured for the Exhibitors. Price £150. An exceedingly simple and effective machine, produces an excellent sample, threshes the straw clean, and does not break the corn.

10,702—Windlass for Driving Various Classes of Machinery; manufactured by the Exhibitors. Price £55. This very simple machine is coupled to engine either by a connecting-rod with universal joints, or with a belt; and any number of machines, such as wash mills, pug mills, pumps, &c., &c., can be driven at a distance, and in any direction, by ordinary chains. No. 2 to carry 6 chains; weight, 2 tons.

10,703—Windlass as above, but to Drive 10 Chains; manufactured by the Exhibitors. Price £80. This No. 1 windlass is much stronger than No. 2, and weighs 3 tons.

10,704—Strong Cast-Iron Tank; manufactured by the Exhibitors. Price £30. This holds about 500 gallons, and is constructed so as to form a very strong and solid foundation for either No. 1 or No. 2 windlass, and is convenient for supplying engine with water.

10,705—Wash Mill; manufactured by the Exhibitors. Price £50. For washing chalk, earth, bones, &c.; is exceedingly simple and requires little fixing, and is driven by chain from windlass before-mentioned. Harrows extra.

10,706—Wash Mill; manufactured by the Exhibitors. Price £100. Similar to last article, but the strongest and most complete machine made, having wrought-iron sides simply bolted together; it can be readily moved to the materials requiring washing, thereby saving carting, &c. Harrows extra.

10,707—(*New Implement.*)—Steam Shovel and Excavator, Eddingtons' Patent; manufactured by the Exhibitors. Price £100. This is a very useful implement, and is suitable for excavating ponds, digging clay, &c., for brick making; excavating for railways, docks, &c.; and when it is considered that when worked by a 12-horse engine and 3 men, they can move to a considerable distance 500 yards of solid earth a-day, the saving is evident.

10,708—Elevator for Raising Liquids, Eddingtons' Patent. Price £45. This elevator is made with steel chains case-hardened, to take the place of expensive gutta-percha belts, and care has been taken to design it so that the greatest simplicity and durability should be secured. Wrought-iron frame, £40 extra.

10,709—Pug Mill for Mixing Clay, &c.; manufactured by the Exhibitors. Price £18. 3 ft. 2 in. diameter by 3 ft. 3 in. high; made entirely of wrought-iron plates $\frac{3}{4}$ -in. thick; fitted with knives, &c., complete; chain-wheel for driving, &c.

10,710—Pug Mill; manufactured by the Exhibitors. Price £20. Similar to above, but 3 ft. 8 in. diameter. Knives are made so that cross-knives can be fixed for more thoroughly mixing the clay.

10,711—(*New Implement.*)—Mortar Mill; manufactured by the Exhibitors. Price £80. Pan, 7 ft. 6 in. diameter; arranged to drive either with chain or belt; very simple in construction; all the parts very massive, and mounted on four strong iron travelling wheels.

10,712—Assortment of Single Leather Driving Belts; manufactured for the Exhibitors. Price 2s. 6d. per foot. 5 in. wide. Made of the very best materials.

10,713—Assortment of Copper Sewn Double Belts; manufactured for the Exhibitors. Price 8s. 6d. to 4s. per foot. These are specially adapted for driving thrashing machines, or for any heavy work.

10,714—Assortment of India-Rubber Driving Belts; manufactured for the Exhibitors. Price 2s. 3d. to 2s. 9d. per foot. Made of the very best cotton canvas and india-rubber; are sewn together the whole length of belt, and will be found most durable.

10,715—Screw Lifting Jack; manufactured by the Exhibitors. Price £1 2s. 6d. To lift 2 tons; very simple, and screw made of best iron.

10,716—Screw Lifting Jack, 4 Tons; manufactured by the Exhibitors. Price £1 7s. 6d. Similar to last article.

10,717—Screw Lifting Jack, 4 Tons; manufactured by the Exhibitors. Price £1 15s. Similar to above, but stronger.

10,718—Screw Lifting Jack, 6 Tons; manufactured by the Exhibitors. Price £2 2s. Similar to above, but larger.

Stand No. 551.—*William Alchin and Sons, of the Globe Works, Northampton.*

Article 10,719—7-Horse Power Traction Engine, with Belt; manufactured by the Exhibitors. Price £390. Fitted with wrought-iron crank brackets, cast-steel and malleable-iron gear, two speeds, a winding drum, and compensating motion for turning curves easily. Adapted for thrashing, hauling, the general work of a farm, or manufacturing purposes. The engine has also a water-lifter and suction hose.

10,720—4-Ft. 6-In. Combined Thrashing and Finishing Dressing Machine; manufactured by Edward Humphries, of Peshore, Worcestershire. Price £150. Fitted with drum guard, wrought-iron concave, patent revolving and expanding corn screen, and other recent improvements. Awarded Prize Medal at Paris Exhibition, 1878.

10,721—Patent Combined Thrashing Machine, with Belt; manufactured by P. & H. P. Gibbons, of The Vale of White Horse Iron Works, Wantage. Price £150. With 54-in. drum finishing apparatus, adjustable revolving screen, and delivery. Awarded 3 Prize Medals in 1878.

10,722—10-Horse Power Portable Steam Engine, with Belt; manufactured by the Exhibitors. Price £240. Single cylinder 10 in. diameter by 14-in. stroke, steam jacketed, all recent improvements; suitable for thrashing, ploughing, sawing, grinding, or any manufacturing purposes.

10,723—Rack Saw Bench of Improved Construction, with Circular Saw; manufactured by the Exhibitors. Price £75 not including the saw. With 16 ft. tail and 20 ft. head; capable of taking a 6-ft. saw; mounted on tressels, middle part made of oak, and feed and gauge can be arranged without passing over driving belt. This bench and the following awarded Prize Medal at Northamptonshire Agricultural Society's Meeting, 1878.

10,724—Table or Push Saw Bench; manufactured by the Exhibitors. Price £35. Table 6 ft. long by 2 ft. 8 in. broad, fitted with a 36-in.

but will take a 42-in. saw. Has turnover fence, making bench convenient for cross cutting; likewise a roll at each end to facilitate feeding.

10,725—Band Saw or Felly-Bench; manufactured by the Exhibitors. Price £28 10s. With 37-in. saw pulleys; fixed on wood stand, with iron table and standard, steel spindle for top wheel; 2 band saws supplied with bench; can be mounted on travelling wheels if required.

Stand No. 552.—*George Nickerson, of St. Andrews Works, Barningham, Bury St. Edmunds, Suffolk.*

Article 10,726—Patent Combined Hay, Corn, and Straw Elevator; manufactured by the Exhibitor. Price £57. The horse works of this machine are built in the main frame, so that no fixing is required; the trough is 30 ft. long and telescopic, so that one-half is made to slide into the other; the whole machine will not occupy more space than an ordinary waggon.

10,727—(*New Implement.*)—Single Hay, Corn, and Straw Elevator; manufactured by the Exhibitor. Price £32. Adapted to be driven by horse or steam power. The trough is the same length and made on the same principle as the combined machine, and will only occupy the same space.

10,728—(*New Implement.*)—Portable Corn Grinding Mill; manufactured by the Exhibitor. Price £60. Fitted with 4-ft. French stones, mounted on 4 wheels. The stones of this machine are constructed on a new principle, and will grind almost an unlimited quantity per day; no fixing is required; well adapted for farmers and machine proprietors.

Stand No. 553.—*Barrows and Stewart, of Cherwell Engine Works, Banbury, Oxford.*

Article 10,729—Traction Engine; manufactured by the Exhibitors. Price £400. A traction engine with 9½-in. cylinder, steel gearing, Bowling fire-box, strong and efficient for any class of work.

10,730—Combined Engine, Boiler, and Mill; manufactured by the Exhibitors. Price £210. An 8-in. cylinder vertical engine, boiler and 6 ft. pan mill for grinding coprolites, &c.; on strong iron girder frame with shafts and 4 travelling wheels. The mill can be thrown out of gear, and the engine used for any other purpose that may be required.

10,731—Vertical Engine; manufactured by the Exhibitors. Price £85. A 6-in. cylinder vertical steam engine and boiler combined, for chaff cutting, &c.

10,732—Semi-Portable Steam Engine; manufactured by the Exhibitors. Price £285. A double-8½ in. cylinder engine, supported by cast-iron pedestal at smoke box end, and fixture ash pan at fire-box end. Extra cost if supplied with shafts and wood travelling wheels, £20.

10,733—Portable Steam Engine; manufactured by the Exhibitors. Price £180. A portable steam engine with 8½-in. cylinder; suitable for driving a thrashing machine, and for general purposes.

10,734—Portable Steam Engine; manufactured by the Exhibitors. Price £165. A portable steam engine with cylinder 7½-in. diameter; suitable for driving the Exhibitors' small thrasher, with 4 ft. drum.

10,735—Threshing and Finishing Machine; manufactured by the Exhibitors. Price £150. This machine has 4-ft. 6-in. drum, rotary corn screen, dressing apparatus at end, drum guard, and every necessary for making a marketable sample of grain.

10,736—Threshing and Finishing Machine; manufactured by the Exhibitors. Price £140. Has 4-ft. 6-in. drum, vibrating riddles, and dresses at side; double crank shakers.

10,737—Threshing and Finishing Machine; manufactured by the Exhibitors. Price £125. Has 4-ft. drum, dressing at end, rotary screen, and same high quality as larger machines.

10,738—Corn Grinding Mill. Price £30. In strong wood frame, Derbyshire stones 30 in. diameter.

10,739—Drum Guard; manufactured by the Exhibitors. Price £4 10s. A strong and effective guard, easily fitted, and no interference with feeding.

10,740—Hay and Straw Elevator or Stacker; manufactured by the Exhibitors. Price £53. On the telescopic plan, wood wheels; can be driven from threshing machine at any angle.

10,741—Pony Gear, for Driving Straw Stacker, &c.; manufactured by the Exhibitors. Price £8. Strong and well made; on wheels for travelling.

10,742—Lifting Jack. Price £1 10s. A screw lifting jack, suitable for threshing machine.

10,743—Lifting Jack; manufactured by the Exhibitors. Price £1 5s. A lever lifting jack for threshing machine.

Stand No. 554.—*Samuel Corbett and Son, of Park Street Works, Wellington, Shropshire.*

Article 10,744—Improved 6-Horse Power Portable Steam Engine, Fitted with every latest Improvement, including New Pattern Water Heater; manufactured by the Exhibitors. Price £170.

10,745—(*New Implement.*)—New Patent Prize Metallic Grinding Mill, with Improved Feeding Apparatus; manufactured by the Exhibitors. Price £13.

10,746—R. A. S. Prize Metallic Grinding Mill; manufactured by the Exhibitors. Price £12.

10,747—(*New Implement.*)—New Pattern Prize Patent Grinding Mill, for Hand Power; manufactured by the Exhibitors. Price £6 5s.

10,748—Improved Combined Oil-Cake Breaker and Grinder; manufactured by the Exhibitors. Price £14 10s.

10,749—New Pattern Oil-Cake Breaker, for Hand Power; manufactured by the Exhibitors. Price £3 10s. Specially adapted for cotton cakes, or extra wide cakes.

10,750—Champion Prize Barrel Root Pulper; manufactured by the Exhibitors. Price £8.

10,751—Champion Prize Barrel Root Pulper, for Hand Power; manufactured by the Exhibitors. Price £4 10s.

10,752—Improved New Pattern Disc Root Pulper, with Extra Large Hopper; manufactured by the Exhibitors. Price £3 15s.

10,753—New Pattern Combined Turnip Slicer and Fingerer; manufactured by the Exhibitors. Price £5 15s.

10,754—Improved Combined Turnip Cleaner and Pulper; manufactured by the Exhibitors. Price £14. Effectually cleans the roots before entering the pulper.

10,755—Improved Prize Chaff-Cutter, with Stop, Start, and Reverse Motion; manufactured by the Exhibitors. Price £13 13s.

10,756—(*New Implement.*)—Improved Flat Segmental Land Roll; manufactured by the Exhibitors. Price £11. Fitted with improved wrought-iron frame and self-lubricating oil boxes.

10,757—R. A. S. of England and Scotland First Prize Potato Digging Plough; manufactured by the Exhibitors. Price £10.

10,758—(*New Implement.*)—New Patent Potato Digging Machine; manufactured by the Exhibitors. Price £15. Effectually raises all the potatoes without bruising them.

10,759—(*New Implement.*)—New Patent Double-Furrow Plough; manufactured by the Exhibitors. Price £8.

10,760—Improved Pattern Single-Furrow Plough; manufactured by the Exhibitors. Price £5 5s.

10,761—Improved Turnip Scuffle; manufactured by the Exhibitors. Price £2 17s. 6d.

10,762—Revolving Fork, for Attaching to Ordinary Ploughs for Pulverizing or Cleaning Land; manufactured by the Exhibitors. Price £1 15s.

Stand No. 555.—*W. S. Underhill, of Newport, Shropshire.*

Article 10,763—3½-Horse Power Vertical Steam Engine; manufactured by the Exhibitor. Price £75. Lagging, £3 10s. extra.

10,764—2-Horse Power Vertical Steam Engine; manufactured by the Exhibitor. Price £40.

10,765—2-Horse Power Vertical Steam Engine, on Wheels and Axles; manufactured by the Exhibitor. Price £42 10s.

10,766—5-Tine Lever Cultivator; manufactured by the Exhibitor. Price £6 10s.

10,767—7-Tine Lever Cultivator; manufactured by the Exhibitor. Price £9.

10,768—9-Tine Cultivator; manufactured by the Exhibitor. Price £9 10s.

10,769—No. A 1 Double Plough; manufactured by the Exhibitor. Price £5 10s.

10,770—No. 1 Double Plough; manufactured by the Exhibitor. Price £6 10s.

10,771—Horse Hoe; manufactured by the Exhibitor. Price £1 15s.

10,772—Horse Hoe, with Cast Foot and Harrow; manufactured by the Exhibitor. Price £3 5s.

10,773—Grubber; manufactured by the Exhibitor. Price £3.

10,774—Set of No. 7 Tine Harrows; manufactured by the Exhibitor. Price £2 10s.

10,775—Set of No. 9 Harrows; manufactured by the Exhibitor. Price £3 10s.

10,776—Turnip and Mangold Drill; manufactured by the Exhibitor. Price £5 15s.

10,777—Rye Grass and Clover Drill; manufactured by the Exhibitor. Price £3 5s.

10,778—Sheep Rack; manufactured by the Exhibitor. Price £1 15s.

10,779—No. 1 Sack Truck, on High Wheels; manufactured by the Exhibitor. Price £1 1s.

10,780—Saw Bench; manufactured by the Exhibitor. Price £8 10s. Saws and pulleys extra.

10,781—Combined Circular and Band Saw; manufactured by the Exhibitor. Price £17 10s. Saws and pulleys extra.

10,782—Samples of Patent Fence; manufactured by the Exhibitor. Price from 6d. per yard.

Stand No. 556.—*Messrs. John H. Ladd and Co., of 116, Queen Victoria Street, London, E.C.*

Article 10,783—(*New Implement.*)—"Boomer" Patent Power Baling Hay Press, for Trusses; manufactured by the Exhibitors. Price £90. This press will take in three trusses, each 40 in. by 30 in. by 18 in. deep; the size of bale when finished 40 in. by 30 in. by 15 in. deep, weighing $1\frac{1}{2}$ cwt. (*For Trial.*)

10,784—(*New Implement.*)—"Boomer" Patent Baling Hay Press for Trusses, to Work by Hand; manufactured by the Exhibitors. Price £70. This press will take in three trusses, each 40 in. by 30 in. by 18 in. deep; the size of bale when finished, 40 in. by 30 in. by 15 in. deep, weighing $1\frac{1}{2}$ cwt. (*For Trial.*)

10,785—(*New Implement.*)—"Boomer" Patent Box Press for Baling Loose Hay, to Work by Hand; manufactured by the Exhibitors. Price £93. Complete with box; inside dimensions, 3 ft. 6 in. by 2 ft. by 5 ft. high; size of bale, 3 ft. 6 in. by 2 ft. by 1 ft. 6 in. deep. Box furnished with wheels to run in and out of press. (*For Trial.*)

10,786—(*New Implement.*)—"Boomer" Patent Hoop Press, for Tallow Graves, &c., to Work by Hand; manufactured by the Exhibitors. Price £60. Dimensions of hoop, 24 in. diameter by 20 in. deep; power of press, 60 tons.

10,787—(*New Implement.*)—"Boomer" Patent Hoop Press, for Tallow rendering, Oil, &c., to Work by Hand; manufactured by the Exhibitors. Price £80. Capacity of hoop, 6 gallons.

10,788—(*New Implement.*)—"Boomer" Patent Cider or Wine Press, to Work by Hand; manufactured by the Exhibitors. Price £60. Power of press, 60 tons.

10,789—Improved Portable Steam Engine, 6-Horse Power; manufactured by Messrs. Ransomes, Sims, and Head, of Orwell Works, Ipswich. Price £180; £1 10s. extra per horse power for large firebox for burning inferior wood, fuel, peat, &c. Complete with all the newest improvements.

Stand No. 557.—A. Barr and Co., of
21, Bishop Street, Anderston, Glasgow.

Article 10,790—Meat Mincing Machine; manufactured by the Exhibitors. Price £15. The patent silent meat mincing machine, A size, to mince 10 lbs. of butcher's meat at one operation.

10,791—Meat Mincing Machine; manufactured by the Exhibitors. Price £20. The patent silent meat mincing machine, B size, to mince 15 lbs. of butcher's meat at one operation.

10,792—Meat Mincing Machine; manufactured by the Exhibitors. Price £25. The patent silent meat mincing machine, C size, to mince 20 lbs. of butcher's meat at one operation.

10,793—Meat Mincing Machine and Engine Combined; manufactured by the Exhibitors. Price £33. The patent silent meat mincing machine, A size, to mince 10 lbs. of butcher's meat at one operation, and patent single cylinder water pressure engine combined.

10,794—Meat Mincing Machine and Engine Combined; manufactured by the Exhibitors. Price £44. The patent silent meat mincing machine, B size, to mince 15 lbs. of butcher's meat at one operation, and patent single cylinder water pressure engine combined.

10,795—Meat Mincing Machine and Engine Combined; manufactured by the Exhibitors. Price £55. The patent silent meat mincing machine, C size, to mince 20 lbs. of butcher's meat at one operation, and patent single cylinder water pressure engine combined.

10,796—Water Pressure Engine; manufactured by the Exhibitors. Price £15. Patent water pressure engine, double acting cylinders, 1½ in. diameter by 3 in. stroke. Suitable for working roasting jacks, sewing machines, and similar light work.

10,797—Water Pressure Engine; manufactured by the Exhibitors. Price £24. Patent water pressure engine, double acting cylinders, 2½ in. diameter by 5 in. stroke. Suitable for working milk churns, laundry machinery, and a large variety of similar purposes.

10,798—Water Pressure Engine; manufactured by the Exhibitors. Price £33. Patent water pressure engine, double acting cylinders, 3½ in. diameter by 7 in. stroke. Suitable for working hay cutting and corn bruising machinery, ventilating pans, organ bellows, turning lathes, &c.

10,799—Water Pressure Engine; manufactured by the Exhibitors. Price £45. Patent water pressure engine, double acting cylinders, 4½ in. diameter by 9 in. stroke. Suitable for working bakers' doughing machines and stirrers, circular saws, and other wood working machinery, and a variety of purposes too numerous to enumerate.

10,800—Tobacco Cutting Machine; manufactured by the Exhibitors. Price £20. Improved guillotine tobacco cutting machine.

Stand No. 558.—John Gardner, of 11, Bradford
Street, Birmingham.

Article 10,801—Sausage Chopping Machine, A Size, or 15-In. Block; invented, improved, and manufactured by the Exhibitor. Price £8 10s. Hand-working machine; simple in construction, and most efficient in working, the block is raised by a single centre rising screw; it is also fitted with five knives, which can be taken out, cleaned, and replaced in one minute, and is calculated to chop 80 lbs. of meat in one hour.

10,802—Sausage Chopping Machine, B Size, or 17-In. Block; invented, improved, and manufactured by the Exhibitor. Price £11. Same as A size, chopping 110 lbs. of meat in one hour.

10,803—Sausage Chopping Machine, c Size, or 19-In. Block; invented, improved, and manufactured by the Exhibitor. Price £16. Same as B size, chopping 150 lbs. of meat in one hour.

10,804—Sausage Chopping Machine, No. 3; invented, improved, and manufactured by the Exhibitor. Price £20 10s. To chop 24 lbs. of meat in eight minutes.

10,805—Sausage Chopping Machine, No. 5; invented, improved, and manufactured by the Exhibitor. Price £28 10s. Fitted with bed plate and centre rising screw; to chop 30 lbs. of meat in six minutes.

10,806—Sausage Chopping Machine and Engine Combined, No. 2, with Vertical Boiler and Fittings Complete; invented, improved, and manufactured by the Exhibitor. Price £100. Universally acknowledged the simplest and most effective ever brought before the public; it is warranted to chop 50 lbs. of meat in six minutes, and occupies considerably less room than machines of any other make.

10,807—2½-Horse Power Vertical Steam Engine; manufactured by the Exhibitor. Price £25. With cylinder 5-in. bore and 8-in. stroke, governors, feed pump, driving pulley, and stop-tap, complete.

10,808—Sausage Filling Machine, No. 1; manufactured by the Exhibitor. Price £1 5s. With wrought-iron tinned cylinder and two pipes; will hold 10 lbs. of meat.

10,809—Sausage Filling Machine, No. 2; manufactured by the Exhibitor. Price £1 15s. Same as No. 1; to hold 12 lbs. of meat.

10,810—Sausage Filling Machine, No. 3; manufactured by the Exhibitor. Price £2 15s. Same as No. 2; to hold 18 lbs. of meat.

10,811—Sausage Filling Machine, No. 4; manufactured by the Exhibitor. Price £3 15s. Same as No. 3; to hold 18 lbs. of meat, but fitted with brass end.

10,812—Sausage Filling Machine, No. 6; invented and manufactured by the Exhibitor. Price £6 10s. With brass-bored cylinder and metallic piston; to hold 18 lbs. of meat.

10,813—Sausage Filling Machine, No. 8; invented and manufactured by the Exhibitor. Price £15. Same as No. 6; to hold 30 lbs. of meat.

10,814—Sausage Filling Machine, No. 9; invented and manufactured by the Exhibitor. Price £8 10s. Fitted with double action and quick return; to hold 18 lbs. of meat.

10,815—Lard Press, No. 1; manufactured by the Exhibitor. Price £1 5s.

10,816—Lard Press, No. 2; manufactured by the Exhibitor. Price £2 5s.

10,817—Lard Press, No. 3; manufactured by the Exhibitor. Price £3 10s.

10,818—Lard Renderer or Jacket Pan; improved and manufactured by the Exhibitor. Price £12. For rendering and boiling purposes; to hold 40 gallons, and fitted with tap for running off the lard, &c.

10,819—Lard Renderer or Jacket Pan; improved and manufactured by the Exhibitor. Price £14. To hold 40 gallons.

10,820—2-Horse Power Cross Tube Vertical Boiler; manufactured by the Exhibitor. Price £30.

10,821—Brine Pump or Salting Machine; manufactured by the Exhibitor. Price £3 10s. Adapted for salting meat at any season of the year.

Stand No. 559.—*J. P. Fison, of Feversham Works, Cambridge.*

Article 10,822—(*New Implement.*)—Drum Guard 4 Ft. 6 In., Mounted on Frame; manufactured by the Exhibitor. Price £4 10s. (*Frame not for Sale.*) (*For Trial.*)

10,823—Drum Guard 2 Ft., Mounted on Frame; manufactured by the Exhibitor. Price £6. This guard obtained R. A. S. E. First Prize at Taunton.

10,824—Shepherd's Hut, with Recent Improvements; manufactured by the Exhibitor. Price £28. Awarded the Society's First Prize at Bedford.

10,825—(*New Implement.*)—Farm Steward's Van; manufactured by the Exhibitor. Price £67. Mounted on springs; sleeping accommodation; fitted up suitable for use at home or abroad.

10,826—24-Horse Power Vertical Engine and Boiler; manufactured by the Exhibitor. Price £74. Fitted with combined direct acting 4-in. pump; mounted on wheels.

10,827—Centrifugal Pump 4 In.; manufactured by the Exhibitor. Price £12.

10,828—Wrought-Iron Wheelbarrow; manufactured by the Exhibitor. Price £1 7s.

10,829—Garden Wheelbarrow; manufactured by the Exhibitor. Price £1 1s.

10,830—Excavator's Wheelbarrow; manufactured by the Exhibitor. Price 12s.

10,831—Chaff Cutter, can be Worked by a Boy; manufactured by the Exhibitor. Price £2 5s.

10,832—Double Furrow Plough; manufactured by the Exhibitor. Price £8 10s.

10,833—Single Furrow Plough; manufactured by the Exhibitor. Price £4 4s.

10,834—Plough Sledge; manufactured by the Exhibitor. Price 10s.

10,835—Circular Pig Trough; manufactured by the Exhibitor. Price 11s.

10,836—Sack Barrow; manufactured by the Exhibitor. Price 12s.

Stand No. 560.—*John Barker and Sons (Limited), of Park Street Iron Works, Oldham, Lancashire.*

Article 10,837—(*New Implement.*)—Patent Self-Landing and Self-Delivering Hoist; manufactured by the Exhibitors. Price £50. To lift 5 cwt.; with traveller beam 16 ft. long; part of traveller beam to project over

roadway, canal, or dock basin. No risk to persons engaged winding or lowering goods, and is entirely under the control of one man. Can be made to lift up to 2 tons, travel any distance, or lift any height required. (*For Trial*.)

10,838—4-Horse Power Vertical Engine and Boiler, mounted on Wheels; manufactured by W. N. Nicholson and Sons, of Newark. Price £111.

Stand No. 561.—*Donald and Co., of 33, Cornhill, London, E.C.*

Article 10,839—Patent "Domestic" Washer, with Wringer and Mangle Combined, No. 1. Price £6 6s. Will wash in five minutes two blankets or four bed sheets or four large lace curtains, &c.; it is the easiest of all washers; a girl nine years of age can work it; it is also the quickest, and cannot damage the clothes. Has taken the first class prizes against every machine competing with it.

10,840—Patent "Domestic" Washer (Same Size as No. 1), with India-Rubber Wringer, No. 5. Price £5 5s.; without wringer, £3 15s.

10,841—Patent "Domestic" Washer, with Wringer and Mangle Combined, No. 2. Price £8 8s. Will wash twice the quantity at once in same time as No. 1 and 5 machines.

10,842—"Triumph" Mangle and Wringer, 24-In. Rollers with Brass Caps. Price £3 5s.

10,843—"Triumph" Mangle and Wringer, 24-In. Rollers with Brass Caps. Price £2 17s. 6d.

10,844—"Monarch" Mangle and Wringer, 24-In. Rollers with Brass Caps. Price £3 5s.

10,845—"Victor" Mangle and Wringer, 27-In. Rollers with Brass Caps. Price £3 12s. 6d.

10,846—"Winner" Mangle and Wringer, 30-In. Rollers with Brass Caps. Price £4.

10,847—"Winner" Mangle and Wringer, 24-In. Rollers with Brass Caps. Price £3 5s.

10,848—India-Rubber Wringer, 16-In. Rollers. Price £2.

10,849—Portable Boiler with Steamer (12 Gallons). Price £5 15s.; without steamer £3 6s.

Stand No. 562.—*Julius Hock and Co., of Vienna, Austria.*

Article 10,850—Hock's Portable Air Engine; manufactured by the Exhibitors. Price £110. (*For Trial*.)

Stand No. 563.—*Finney Brothers, of Columbia Works, Birmingham.*

Article 10,851—(*New Implement*.)—10-Horse Power Horizontal High Pressure Steam Engine; manufactured by the Exhibitors. Price £125. Diameter of cylinder 10 in., stroke 20 in.; fitted with Weatherhogg's patent automatic wedge motion expansion valves and indicating gear.

10,852—6-Horse Power Horizontal High Pressure Steam Engine; manufactured by the Exhibitors. Price £60. Diameter of cylinder 8 in., stroke 16 in.; fitted with feed pump and direct acting governors complete.

10,853—(*New Implement.*)—2-Horse Power Horizontal Compound Gas Engine (Weatherhogg's Patent); manufactured by the Exhibitors. Price £125.

Stand No. 564.—*Rownson, Drew, and Co., of
225, Upper Thames Street, London, E.C.*

Article 10,854—No. 1 "Cyclops" Patent Portable Forge, Rotary Motion; manufactured by the Tank and Boiler Company, of Wolverhampton. Price £4 10s.

10,855—No. 2 "Cyclops" Patent Portable Forge, Rotary Motion; manufactured by the Tank and Boiler Company. Price £5 10s.

10,856—No. 3 "Cyclops" Patent Portable Forge, Rotary Motion; manufactured by the Tank and Boiler Company. Price £7.

10,857—No. 1 "Cyclops" Patent Circular Riveting Forge; manufactured by the Tank and Boiler Company. Price £4 10s.

10,858—No. 2 "Cyclops" Patent Circular Riveting Forge; manufactured by the Tank and Boiler Company. Price £5 10s.

10,859—No. c "Cyclops," Patent Hearth, with Hand Blower Complete; manufactured by the Tank and Boiler Company. Price £17 5s.

10,860—"Cyclops" Patent Hand Blower, Geared; manufactured by the Tank and Boiler Company. Price £7.

10,861—15-In. "Cyclops" Patent Power Fan, manufactured by the Tank and Boiler Company. Price £8 10s.

10,862—12-In. "Cyclops" Patent Power Fan; manufactured by the Tank and Boiler Company. Price £4.

10,863—8-In. "Cyclops" Patent Power Fan; manufactured by the Tank and Boiler Company. Price £2 10s.

10,864—No. 42 Drilling Machine for Hand and Power; manufactured by Daudoy, Maillard & Co., of Maubeuge. Price £11 10s.

10,865—No. 20 Drilling Machine for Hand Power; manufactured by Daudoy, Maillard & Co. Price £12.

10,866—12-In. Keystone Cast-Iron Gas Valve; manufactured by the Tank and Boiler Company, of Wolverhampton. Price £11 10s.

10,867—2½-In. Keystone Chilled Cast-Iron Steam Valve; manufactured by the Tank and Boiler Company. Price £2.

10,868—2-In. Keystone Gun-Metal Double-Gate Water Valve; manufactured by the Tank and Boiler Company. Price £1 3s. 6d.

Stand No. 565.—*Thwaites Brothers, of the Vulcan
Iron Works, Bradford, Yorkshire.*

Article 10,869—(*New Process.*)—Sturgeon's Patent Cold Air Machine; manufactured by the Exhibitors. Price £500. For cooling, drying, and purifying atmospheric air, for refrigerating purposes, preserving meat, producing ice, &c., without chemicals, lubricating oils, &c. Self contained; motive power engine, cooling tank and purifying chambers. (*For Trial for Mansion House Committee's Special Prize.*)

10,870—(*New Process.*)—Insulated Cold-Air Chamber for the Above; manufactured by the Exhibitors. Price £45. Illustrative of a cold storage room for perishable goods, and also adapted for packing and conveyance of meat, fish, poultry, &c., by rail or otherwise, and for manufacturing pure ice. (*For Trial for Special Prize given by Mansion House Committee.*)

10,871—4-Cwt. Steam Hammer, Double Standard; manufactured by the Exhibitors. Price £85. Self-acting and hand-worked valve motion complete.

10,872—2-Cwt. Steam Hammer, Double Frame; manufactured by the Exhibitors. Price £65. Self acting valve motion with treadle worked by the foot of the smith.

10,873—1-Cwt. Steam Hammer, Double Standard; manufactured by the Exhibitors. Price £40. Self-acting valve motion for tilting steel.

10,874—No. 2 A Root's Patent Blower, with Engine and Heater; manufactured by the Exhibitors. Price £85. This apparatus will force 36,000 cubic ft. of air per hour (heated by the exhaust steam from the engine driving the blower) heated to a temperature of 200 degrees Fahrenheit. The hot air is used for heating buildings, drying wool, yarns, glue, &c.

10,875—No. 1 Root's Patent Blower and Duplex Engine; manufactured by the Exhibitors. Price £70. At a speed of 400 revolutions per minute, will melt 1 ton of metal per hour, or blow for 10 ordinary smiths' fires; above 3000 of Root's patent blowers have been supplied for various purposes.

10,876—No. 1 Root's Patent Small Power Blower, New Pattern; manufactured by the Exhibitors. Price £5. Speed 300 revolutions per minute; suitable for small smith's fire.

10,877—No. 2 Root's Patent Small Power Blower, New Pattern; manufactured by the Exhibitors. Price £7. Suitable for blowing a jobbing blacksmith's fire.

10,878—No. 3 Root's Patent Small Power Blower, New Pattern; manufactured by the Exhibitors. Price £10. Suitable for a wheel-rim fire or large blacksmith's fire.

10,879—No. 4 Root's Patent Small Power Blower, New Pattern; manufactured by the Exhibitors. Price £11. Suitable for two small smiths' fires.

10,880—No. 5 Root's Patent Small Power Blower, New Pattern; manufactured by the Exhibitors. Price £13. 1,000 of these have been supplied. Suitable for two large blacksmiths' fires. These patent blowers occupy small space; are all made of iron with steel shafts and phosphor-bronze bearings. Twice the amount of work can be done with this blower than with a bellows or any other fan blower.

10,881—No. 1 Root's Patent Hand-worked Blower, with Rope Gearing; manufactured by the Exhibitors. Price £5 10s.

10,882—No. 2 Root's Patent Hand-worked Blower, with Chain Gear; manufactured by the Exhibitors. Price £7 12s.

10,883—No. 3 Root's Patent Hand-worked Blower, with Belt Gear; manufactured by the Exhibitors. Price £10 15s.

10,884—No. 4 Root's Patent Hand-worked Blower, with Chain Gear; manufactured by the Exhibitors. Price £12 10s.

10,885—No. 5 Root's Patent Hand-worked Blower, with Belt Gearing; manufactured by the Exhibitors. Price £15.

10,886—No. 1 "Vulcan" Forge, Round Pattern; manufactured by the Exhibitors. Price £7.

10,887—No. 2 "Vulcan" Forge, Square Pattern; manufactured by the Exhibitors. Price £8 10s.

10,888—(*New Process.*)—Refrigerating Shop Counter; manufactured by the Exhibitors. Price £35. For keeping butter, &c., fish, or other perishable goods exposed on shop counters during hot weather, the top of the counter forming a cooling surface, and the body a cold storage chamber.

10,889—"Bradford" Patent Direct Acting Steam Pump; manufactured by the Exhibitors. Price £45.

10,890—Patent "Trunk" Air Compressor; manufactured by the Exhibitors. Price £140. No. 3, Class A. Complete and self-contained, with air cylinder $7\frac{1}{2}$ in. diameter, and pair of steam cylinders 6 in. diameter. Capable of working efficiently at the highest speeds.

10,891—(*New Process.*)—Shoné's Pneumatic Liquid Ejector; manufactured by the Exhibitors. Price £100. Specially applicable for sewage and water irrigation, drainage works, chemical and bleach works, and raising and forcing liquids generally, by the direct application of compressed air. (*For Trial for a Silver Medal.*)

10,892—(*New Implement.*)—3-Horse Power Patent Silent Gas Engine; manufactured by S. Clayton & Co., of Bradford. Price £145. As noiseless as an ordinary steam engine, and once started requires little attention; free from all danger in working. Indicated horse power, 4. No boiler required. This engine and the other sizes mentioned under, are manufactured under S. Clayton's patent. (*For Trial for a Silver Medal.*)

10,893—(*New Implement.*)—1-Horse Power Patent Silent Gas Engine; manufactured by S. Clayton & Co. Price £78. A very useful and economical engine. No boiler required. Indicated horse power, 2. (*For Trial for Silver Medal.*)

10,894—Sectional Working Model of Mine Ventilator; manufactured by the Exhibitors. Price £5. This model represents Root's Patent mine ventilator, erected three years since at Chillon Colliery, Ferry Hill, exhausting 200,000 cubic feet of air per minute with a 6-in. water gauge.

10,895—Sectional Working Model of Root's Patent Blower; manufactured by the Exhibitors. Price £5.

10,896—Iron Tank and Framing for Holding Water Supply; manufactured by the Exhibitors. Price £25.

10,897—14-Horse Power Nominal Imperial Locomotive Steam Boiler; manufactured by Marshall, Sons and Co., of Gainsborough. Price £181.

Stand No. 566.—*H. L. Müller, of 22, Mary Ann Street, Birmingham.*

Article 10,898—No. 0 Müller's Alpha Patent Portable Gas-Making Machine for 8 Lights; manufactured by the Exhibitor. Price £12 12s. These machines are specially adapted for supplying gas for country mansions, churches, farm buildings, &c., in situations where coal-gas is unobtainable.

10,899—No. 2 Müller's Alpha Patent Portable Gas-Making Machine, for 25 Lights; manufactured by the Exhibitor. Price £30. Description same as above.

10,900—No. 3 Müller's Alpha Patent Portable Gas-Making Machine for 60 Lights, manufactured by the Exhibitor. Price £55. Description same as above.

10,901—No. 4 Müller's Alpha Patent Portable Gas-Making Machine for 100 Lights; manufactured by the Exhibitor. Price £90. Description same as above.

10,902—Self-Generating Gas Lamp (Easy Lighting); manufactured by the Exhibitor. Price £2. This lamp is suitable for villages, railway stations, skating rinks, lodge entrances, park avenues, collieries, country inns, toll bars, &c.

10,903—1-Man Power (Bisschop's) Patent Gas Engine; manufactured by T. E. H. Andrew, of Stockport. Price £25.

10,904—Tent, 7 Ft. Square; manufactured by Tenby & Co., of Birmingham. Price £10.

Stand No. 567.—*F. W. Clark, of the Portable Gas Apparatus Co. (Limited), of 16 and 16a, Great Queen Street, Lincoln's Inn Fields, London, W.C.*

Article 10,905—Portable Gas Machine; manufactured by the Exhibitor. Price £80. Clark's patent gas apparatus for manufacturing pure gas, from gasoline, by the aid of heat generated by the machine itself; it is applicable for all purposes to which coal gas is applied. The machine exhibited is equal to supplying 50 burners. (*For Trial.*)

10,906—Gas Engine; manufactured by Crossley Brothers, of Manchester. Price £60. Otto and Crossleys' patent silent gas engine, applicable for all purposes to which steam engines (and boilers) are applied. (*For Trial.*)

Stand No. 568.—*The Sun Auto-pneumatic Lighting and Heating Co. (Limited), of 115, Southwark Street, London, S.E.*

Article 10,907—10-Light Gas Making Machine; manufactured by the Exhibitors. Price £15 15s. A machine for making gas from gasoline without coal or heat. This machine is specially suited for lighting the houses of country gentlemen, churches, &c., where coal gas is not obtainable.

10,908—20-Light Gas Making Machine; manufactured by the Exhibitors. Price £25. Description same as above.

10,909—50-Light Gas Making Machine, with Hydraulic Motor; manufactured by the Exhibitors. Price £80. Description as above; the addition of the hydraulic apparatus makes this the most perfect gas machine yet offered to the public, as it is in all respects self-acting. It can be worked from any ordinary water-tank, the water being turned on and off automatically as required.

10,910—150-Light Gas Making Machine; manufactured by the Exhibitors. Price £140. Description as Articles Nos. 10,907 and 10,908.

10,911—Sun Automatic Street Lamp; manufactured by the Exhibitors. Price £2. This lamp makes its own gas as it burns from benzoline placed in a reservoir in the upper part of the lamp. The gas produced

in this manner is equal to coal gas at 3s. per 1,000 feet. It may be placed anywhere, and is consequently suitable for towns, villages, park entrances, courtyards, &c.

10,912—Gas Engine; manufactured by Bisschop, of Anviers. Price £55. An engine for producing motive power by the rapid expansion due to the combustion of a mixture of gas and air. This engine requires no boiler, and can be started immediately when desired.

Stand No. 569.—*J. Blake and Co., of Bridgewater Ironworks, Prussia Street, Manchester.*

Article 10,913—(*New Implement.*)—6-Horse Power Patent Vertical Boiler and 4-Horse Power Engine Combined; manufactured by the Exhibitors. Price £95. Every tube is accessible at both ends by simply removing two manhole covers. Working pressure 75 lbs. per square inch.

10,914—(*New Implement.*)—8-Horse Power Patent Semi-Portable Steam-Boiler, with Circular Fire-Box; manufactured by the Exhibitors. Price £80. This Boiler is constructed without any stays in the fire-box. Working pressure 75 lbs. per square inch.

10,915—(*New Implement.*)—2-Horse Power Gas-heated Boiler, also Suitable for Ordinary Fuels; manufactured by the Exhibitors. Price £25. Working pressure 50 lbs. per square inch.

Stand No. 570.—*Louis Simon and Son, of Nottingham.*

Article 10,916—Patent "Eclipse" Gas Engine, 5-Horse-Power; manufactured by the Exhibitors. Price £180. This engine can be made up to 30-horse power. Owing to the want of a supply of coal-gas it will be shown at work by means of gasoline.

10,917—Patent Automatic Weighing Machine, for Wheat, &c.; manufactured by Munnem and Reisert, of Cologne, for the Exhibitors. Price £35. For millers, brewers, and maltsters, granaries, and docks; dispenses with labour, and ensures absolute accuracy.

10,918—Chaff-Cutting Machine, No. 65; manufactured by Richmond and Chandler, of Salford. Price £14 12s. 6d.; feeding web £1 10s. extra; pulleys extra.

10,919—Grain Elevator; manufactured by J. Harrison Carter, of 82, Mark Lane, London. Price £9.

Stand No. 571.—*Crossley Brothers, of Great Marlborough Street, Manchester.*

Article 10,920— $\frac{1}{2}$ -Horse Power Patent "Otto" Silent Gas Engine; manufactured by the Exhibitors. Price £60. This engine gives out about $\frac{1}{4}$ -horse power on the pulley. It is suitable for organ-blowing, pumping, amateur work, household work, &c.

10,921—1-Horse Power Patent "Otto" Silent Gas Engine; manufactured by the Exhibitors. Price £102 10s. This engine gives out about $1\frac{1}{4}$ -horse power on the pulley. It has chiefly been sold for driving, printing, sausage-chopping, hay-cutting, soda-water, and coffee-grinding machinery.

10,922—2-Horse Power Patent "Otto" Silent Gas Engine; manufactured by the Exhibitors. Price £138. This engine gives out about 2½-horse power on the pulley. It has chiefly been sold for driving hoists, printing, lithographing, pumping, and chaff-cutting machinery.

10,923—3½-Horse Power Patent "Otto" Silent Gas Engine; manufactured by the Exhibitors. Price £174. This engine gives out about 4-horse power on the pulley. We have sold over 400 of this size alone, principally for working hoists, boot and shoe, printing, chaff-cutting, and electric machines.

10,924—8-Horse Power Patent "Otto" Silent Gas Engine; manufactured by the Exhibitors. Price £256. This engine gives out about 12-horse power on the pulley. Sold chiefly for driving sawing, wood-working, hoisting, printing, pumping, and brewers' machinery, electric machines, &c. Average sale of engines, including continental, exceeds 20 per week.

10,925—16-Horse Power Patent "Otto" Silent Gas Engine; manufactured by the Exhibitors. Price £360. This engine gives out about 25-horse power on the pulley. It is the largest gas engine as yet produced in the world with a single cylinder, and by a new patented method can be started without turning the fly-wheel by hand.

10,926—Sun Gas Machine, 100 Light Size; manufactured by the Sun Auto-Pneumatic Lighting and Heating Company, Limited, 115, Southwark Street, London. Price £100.

DEPARTMENT FOR SEEDS, ROOTS, MODELS, MANURES, &c.

Stand No. 572.—*Barclay, Gray and Co., of 7 and 8, Idol Lane, E.C.*

Article 10,927—Specimens of Cups. To be given at various agricultural shows, as enumerated in Exhibitors' circular.

10,928—Samples of B G L Composite Cake; manufactured solely by the Exhibitors. Price, market value.

10,929—Samples of Pure Linseed Cake; manufactured by the Exhibitors. Price, market value.

10,930—Samples of Ingredients, as Used in the Manufacture of Exhibitors' cakes. Price, market value.

10,931—Samples of the Various Oils, as Manufactured by the Exhibitors. Price, market value.

19,932—Samples of Rice, and Other Feeding Meals, as Manufactured by the Exhibitors. Price, market value.

10,933—Samples of Rice, "Protected by Trade Marks," as cleaned by the Exhibitors. Price, market value.

Stand No. 573.—*W. Baker and Sons, of Bristol.*

Article 19,934—Dog Biscuit, Hexagon, Oatmeal Quality; manufactured by the Exhibitors. Price £1 per cwt.

10,935—Dog Biscuit, Hexagon, Meat Quality; manufactured by the Exhibitors. Price £1 per cwt.

10,936—Dog Biscuit, Square, Meal Quality; manufactured by the Exhibitors. Price 16s. per cwt.

Stand No. 574.—*Roger Errington, of Victoria Steam Mills, Sunderland.*

Article 10,937—Errington's Horse and Cattle Condiment; manufactured by the Exhibitor, and is sold in boxes containing feeds at 8s. 6d., 17s., £1 14s.; is sold in bags and casks at £1 10s. per cwt. in quantities, delivered, carriage paid, to nearest station.

Stand No. 575.—*James Carter and Co., the Queen's Seedsmen, of High Holborn, London, W.C.*

Article 10,938—Collection of Grasses and Clovers, as Used for Permanent Pastures, Alternate Cropping, and Lawns, and Grown on Exhibitors' Experimental Farms, and comprising the most desirable kinds for each purpose, with a proper consideration of the geological formation; as used at the Paris Exhibition, where the Exhibitors were awarded the First Prize and only Gold Medal for Grass Seeds in Growth.

10,939—Splendid Groups of Roots of Last Year's Crops, Removed from the Land 9 Months, comprising Carter's Mammoth Prize Improved Long Red Mangel, which produced (without the aid of sewage) 120 Tons per Acre; Carter's Warden Prize Yellow Globe Mangel produced 88 Tons per Acre in England without the aid of Sewage; Carter's Champion Intermediate Mangel, used by Mr. Fry, the winner of the £100 Prize, &c.

10,940—Collections of Several Hundred Bags and Cases of Carter's Prize Medal Seeds for the Farm and Garden, as grown upon the Exhibitors' Large Seed Farms in Essex, and which were awarded the Gold Medal at the Paris Exhibition.

10,941—Experimental Parcels of Carter's "Prize Winner" Imperial Hardy Swede and Prize Stocks of Turnips (sufficient to sow 1 acre and upwards), for present sowing, and for which Exhibitors were awarded the only Gold Medal at the Paris Exhibition.

10,942—Seed-Cleaning Machinery, as used by the Exhibitors.

Stand No. 576.—*Edward Packard and Co., of Ipswich, Suffolk.*

Article 10,943—New Process for the Manufacture of Superphosphate, with or without Ammonia; manufactured by the Exhibitors. Price, from 6s. 6d. per unit of soluble phosphoric acid. Working model exhibited, and entered for one of Society's Miscellaneous Prizes for New Implements. Phosphates of low value can be worked, and superphosphates produced at lower price than by any other process.

Stand No. 577.—*Prentice Brothers, of Stowmarket, Suffolk.*

Article 10,944—Sample of Vitriolized Bones; manufactured by the Exhibitors. Price £9 per ton, carriage paid. This manure contains 26 to 28 per cent. of phosphates (all from bone), of which half are soluble, the ammonia being $2\frac{1}{2}$ to 3 per cent.

10,945—Sample of Dissolved Bone Manure; manufactured by the Exhibitors. Price £7 10s. per ton, carriage paid. Containing 26 to 28 per cent. of soluble phosphates, and 1 to $1\frac{1}{2}$ per cent. of ammonia.

10,946—Sample of Superphosphate; manufactured by the Exhibitors. Price £5 per ton, carriage paid. Containing 26 to 28 per cent. of soluble phosphates.

10,947—Sample of Superphosphate (Guano-Coloured); manufactured by the Exhibitors. Price £8 10s. per ton, carriage paid. Containing 42 to 44 per cent. of soluble phosphates, equal to 20 per cent. of soluble phosphoric acid.

10,948—Sample of Wheat Manure; manufactured by the Exhibitors. Price £8 per ton, carriage paid. Prepared for "ploughing in" before sowing.

10,949—Sample of Barley Manure; manufactured by the Exhibitors. Price £7 10s. per ton, carriage paid. A most successful manure for producing quantity, and at the same time improving quality.

10,950—Sample of Mangold Manure; manufactured by the Exhibitors. Price £7 10s. per ton, carriage paid.

10,951—Sample of Turnip Manure; manufactured by the Exhibitors. Price £6 10s. per ton, carriage paid.

10,952—Sample of Potato Manure; manufactured by the Exhibitors. Price £8 per ton, carriage paid.

10,953—Sample of Hop Manure; manufactured by the Exhibitors. Price £8 per ton, carriage paid.

10,954—Sample of Bean Manure; manufactured by the Exhibitors. Price £7 10s. per ton, carriage paid.

10,955—Sample of Bones ($\frac{1}{2}$ -In.); manufactured by the Exhibitors. Price £8 per ton, on rails.

10,956—Sample of Bones (Finely Crushed); manufactured by the Exhibitors. Price £8 10s. per ton, on rails.

10,957—Sample of Superphosphate; manufactured by the Exhibitors. Price £3 10s. per ton. This superphosphate contains 25 to 28 per cent. of soluble phosphates, and is sold on special cash terms for prepaid orders, free on carts or rail at works in buyers' bags.

10,958—Samples of Florvita, in Bottles and Jars; manufactured by the Exhibitors. Price 1s., 2s. 6d., 18s. and £1 16s. Florvita (the Life of Flowers), for stimulating and quickening the growth of plants, and producing a rapid and high development of blossom.

10,959—Specimens of Plants Grown with Florvita.

Stand No. 578.—*Charles Ward, of Heckmondwike, near Normanton, Yorkshire.*

Article 10,960—Woollen Shoddy Manures, Hair, Waste, &c.; manufactured by the Exhibitors. Price from 15s. to £3 per ton. Used for hops and general crops.

10,961—Woollen Flock Dusts; manufactured by the Exhibitors. Price from £1 15s. to £3 per ton. Used in the manufacture of artificial and chemical manures, and for hops and general crops.

10,962—Rag, Hair, and General Woollen Dusts; manufactured by the Exhibitors. Price from £1 15s. to £4 per ton. Used in the manufacture of artificial and chemical manures, and for hops and general crops.

Stand No. 579.—*Edward Cook and Co., of East London Manure Works, Bow, E.*

Article 10,963—Crushed and Hollow Bones, all Sizes. Only samples of Bone Manures to be exhibited under glass shades.

Stand No. 580.—*Lawes' Chemical Manure Co., (Limited), of 59, Mark Lane, London, E.C.*

Article 10,964—Samples of Lawes' Patent Turnip Manure; manufactured by the Exhibitors. Price £6 6s. per ton.

10,965—Samples of Superphosphate of Lime, Various Qualities; manufactured by the Exhibitors. Prices various, according to quality.

10,966—Samples of Lawes' Dissolved Bone; manufactured by the Exhibitors. Price £6 15s. per ton.

10,967—Lawes' Dissolved Bones, Specially Prepared; manufactured by the Exhibitors. Price £7 15s. per ton.

10,968—Lawes' Cereal Manure, for Barley, Wheat, and Oats; manufactured by the Exhibitors. Price £8 5s. per ton.

10,969—Lawes' Mangold Manure; manufactured by the Exhibitors. Price £8 5s. per ton.

10,970—Lawes' Concentrated Manure, for Top Dressing; manufactured by the Exhibitors. Price £12 5s. per ton.

Stand No. 581.—*W. and H. M. Goulding (Limited), of 25, Eden Quay, Dublin; and Glen, Cork.*

Article 10,971—Sample of Bone Manure; manufactured by the Exhibitors. Price £7 per ton.

10,972—Sample of Special Manure; manufactured by the Exhibitors. Price £10 per ton.

10,973—Sample of Corn and Grass Manure; manufactured by the Exhibitors. Price £10 per ton.

10,974—Sample of Superphosphate; manufactured by the Exhibitors. Price £6 per ton.

10,975—Sample of Phospho-Guano; manufactured by the Exhibitors. Price £7 per ton.

10,976—Samples of Articles used in the manufacture of these Manures, and also Specimens of produce grown by them.

Stand No. 582.—*The Sub-Wealden Gypsum Co. (Limited), of Mountfield, Robertsbridge, Hawkhurst, Sussex.*

Article 10,977—Sample of Raw Ground Gypsum, for Manure; manufactured by the Exhibitors. Price £1 per ton at works.

Stand No. 583.—*John Newton and Co., of Manor Works, Rotherhithe New Road, London, S.E.*

Article 10,978—Sample of Superphosphate; manufactured by the Exhibitors. Price £5 10s. per ton.

10,979—Sample of Bone Superphosphate; manufactured by the Exhibitors. Price £6 5s. per ton.

10,980—Sample of Dissolved Bones; manufactured by the Exhibitors. Price £7 per ton.

10,981—Sample of Corn Manure; manufactured by the Exhibitors. Price £8 10s. per ton.

10,982—Sample of Grass Manure; manufactured by the Exhibitors. Price £8 10s. per ton.

10,983—Sample of Potato Manure; manufactured by the Exhibitors. Price £7 15s. per ton.

10,984—Mangold Manure; manufactured by the Exhibitors. Price £8 10s. per ton.

10,985—Blood Manure; manufactured by the Exhibitors. Price £5 10s. per ton.

10,986—X L Guano; manufactured by the Exhibitors. Price £11 10s. per ton.

10,987—Beetroot Manure; manufactured by the Exhibitors. Price £7 10s. per ton.

10,988—Hop Manure, for Priming; manufactured by the Exhibitors. Price £10 per ton.

10,989—Nitrate of Soda; imported. Price always fluctuating. Present price, April 10th, £14 per ton.

10,990— $\frac{1}{2}$ -In. Bones; manufactured by the Exhibitors. Price £8 10s. per ton.

10,991—Fur Waste, for Wheat and Hops; manufactured by the Exhibitors. Price £5 14s. per ton.

10,992—Woollen Seams, for Wheat and Hops. Price £4 10s. per ton.

Stand No. 584.—*Edward Purser and Co. (London Manure Co.), of 116, Fenchurch Street, London, E. C.*

Article 10,993—Samples of Chemical Manures and Raw Material.

Stand No. 585.—*James Gibbs and Co., of 16, Mark Lane, London, E. C.; King Street Hall, Bristol; 42, George Street, Plymouth; and 7, Bishop Lane, Hull.*

Article 10,994—Sample of "Gibbs' Ammonia-Fixed Peruvian Guano;" manufactured by the Exhibitors. Price £13 per ton. They were the first, some twenty years ago, to dissolve the raw Peruvian guano. By their special process the ammonia is "fixed," or rendered non-volatile, and the phosphates are made soluble. The marked success of this manufacture is proved by the numerous imitations it has provoked.

10,995—Sample of "Gibbs' Dissolved Bones;" manufactured by the Exhibitors. Price £7 7s. 6d. per ton. The above is made from the best foreign bones, and rich in both ammonia and phosphates, soluble and insoluble. The bones have been well submitted to chemical action, thereby ensuring a constant supply of phosphates to the crop.

10,996—Sample of "Gibbs' Turnip Manure;" manufactured by the Exhibitors. Price £6 2s. 6d. per ton. This is a manure similar to the last-named, but with less bone material. The condition of this manure is made a matter of special care.

10,997—Sample of "Gibbs' Mangold Manure;" manufactured by the Exhibitors. Price £6 10s. per ton. This is a special manure, rich in phosphates and ammonia; it has been used for many years past for the mangold crop with the best results.

10,998—Sample of "Gibbs' Corn Manure;" manufactured by the Exhibitors. Price £7 10s. per ton. This manure contains a large proportion of ammonia and phosphates, and will be found to be in splendid condition. It has everywhere given the greatest satisfaction.

10,999—Sample of "Gibbs' Patent Ammoniated Phosphate;" manufactured by the Exhibitors. Price £8 per ton. This is a manure most carefully prepared, with a special view to the cultivation of hops. It is also very valuable for all roots.

11,000—Sample of "Gibbs' Grass Manure;" manufactured by the Exhibitors. Price £9 per ton. This is a most useful fertiliser, prepared with special consideration of the requirements of heavy and light land pastures.

11,001—Sample of "Gibbs' Potato Manure;" manufactured by the Exhibitors. Price £8 per ton. A manure specially prepared for this important crop. It contains a large proportion of ammonia, potash, alkaline salts, and all the constituents which are necessary for the full growth and development of the tuber.

11,002—Sample of "Gibbs' Superphosphate of Lime;" manufactured by the Exhibitors. Price £5 15s. per ton. This manure, carefully prepared from the best class of phosphatic materials, is either made of a quality most suitable for the crop, or in a more concentrated form for convenience of carriage.

11,003—Various Samples of Raw Materials, showing the Sources from which Chemical Fertilisers are derived.

11,004—Samples of "Gibbs' Pure Feeding Cake;" manufactured by the Exhibitors. Price £9 per ton. All the materials used in the preparation of this cake are recognised articles of food, and the cake is exceedingly rich in oil and flesh-forming substances. Animals fed upon it have carried off the First Prizes at the Smithfield Club and Birmingham Shows, as well as the highest honours at many of the Provincial Agricultural Shows.

11,005—*Fac-Similes of the Cross of the Legion of Honour and of the fourteen International Medals which have been awarded to James Gibbs & Co. for the excellence of their manufactures.*

Stand No. 586.—*Nitro-Phosphate and Odams' Chemical Manure Co. (Limited), of 116, Fenchurch Street, London, E.C.*

Article 11,006—Chemical Manures, and the Materials used in the Manufacture of the same. Prices according to market.

Stand No. 587.—*The London Banking Association (Limited), Peruvian Guano Department, of 57, Old Broad Street, London, E.C.*

Article 11,007—Samples of Different Deposits of Peruvian Government Guano, in Flasks and Bags.

Stand No. 588.—*The Driffield and East Riding Pure Linseed Cake Co. (Limited), of Driffield, Yorkshire.*

Article 11,008—Pure Linseed Cake; manufactured by the Exhibitors. Price £10 10s. per ton.

11,009—Pure Cotton Cake; manufactured by the Exhibitors. Price £6 per ton.

Stand No. 589.—*Gilbertson and Page, of Hertford.*

Article 11,010—Pheasant, Poultry, and Dog Food; manufactured by the Exhibitors. Prices, at per cwt.: British meal, 30s.; imperial meat greaves, 25s.; genuine round oatmeal, 24s.; groats, 24s.; game rice, 20s.; Danish meal, 20s.; turkey meal, 22s.; poultry rice, 16s. and 18s.; dog biscuits (No. 1), 20s.; No. 2, 18s.; dog greaves, 22s. Braymer (in 2-lb. packets), 1s. each; in 7-lb. tins, 3s. 6d. each. Hemp seed, 8s. per bushel.

Stand No. 590.—*Phoenix Oil Mill Co., of Norfolk Street, Liverpool.*

Article 11,011—"Phoenix Pure" Linseed Cake; manufactured by the Exhibitors. Market price. Made from clean linseed, and a fresh, first-class, pure linseed cake.

11,012—"Phoenix Pure" Undecorticated Cotton Cake; manufactured by the Exhibitors. Market price. Made from good sound Egyptian cotton-seed, and no other.

11,013—"Phoenix Pure" Yellow Rape Cake; manufactured by the Exhibitors. Market price. Made from good sound East India seed, and no other.

11,014—Collection of Meals made from "Phoenix Pure" Cakes; manufactured by the Exhibitors. Market price.

11,015—Collection of Oils extracted in making "Phoenix Pure" Feeding Stuffs. Market price.

11,016—Collection of the Raw Materials used in the Manufacture of "Phoenix Pure" Feeding Stuffs. Market price. Shown as imported.

11,017—"Phoenix Pure" Palm-Nut Meal; manufactured by the Exhibitors. Market price. Made from good, sound, well-selected kernels.

Stand No. 591.—*E. and W. Pearson, of 20, Mellors Buildings, Exchange Street East, Liverpool.*

Article 11,018—Pure Linseed Cake, Samples of; manufactured by the Exhibitors by the new patent process, at their East India Oil Mills, Liverpool. Market prices.

11,019—Pure Linseed Cake, Samples of; manufactured by the Exhibitors by the old process, at their Egyptian Oil Mills. Market prices.

11,020—Pure Cotton Seed Cake, Samples of; manufactured by the Exhibitors at their Egyptian Oil Mills. Market prices.

11,021—Pure Nutted Linseed Cake, Samples of; manufactured by the Exhibitors. Market prices.

11,022—Pure Linseed Meal, Samples of; manufactured by the Exhibitors. Market prices.

11,023—Bombay Linseed, Samples of, as imported by the Exhibitors. Market prices.

11,024—Calcutta Linseed, Samples of, as imported by the Exhibitors. Market prices.

11,025—Archangel Linseed, Samples of, as imported by the Exhibitors. Market prices.

11,026—Black Sea Linseed, Samples of, as imported by the Exhibitors. Market prices.

11,027—Fine St. Petersburg Linseed, Samples of, as imported by the Exhibitors. Market prices.

11,028—Sicilian Linseed, Samples of, as imported by the Exhibitors. Market prices.

11,029—Egyptian Cotton Seed, Samples of, as imported by the Exhibitors. Market prices.

11,030—Linseed Oil, Pale East India, Raw, Boiled, and Refined, Samples of, manufactured by the Exhibitors. Market prices.

11,031—Linseed Oil, Baltic, Raw, Boiled, and Refined, Samples of; manufactured by the Exhibitors. Market prices.

11,032—Cotton Seed Oil, Crude and Refined, Samples of; manufactured by the Exhibitors. Market prices.

Stand No. 592.—*The Phoenix Cake Mills Co., of the Phoenix Mills, Grove Road, Mile End, London, E.*

Article 11,033—Sample of the "Standard" Feeding Meal, No. 7 Quality; manufactured by the Exhibitors. Price £7 to £8, according to markets. This is a compound feeding and fattening meal, "cooked" and "spiced" under "Simpson's" patent, and is remarkable for its well balanced proportions of nitrogen, oil, starch, &c., and particularly so for its delicious aromatic flavour, which renders it most agreeable to all kinds of animals.

11,034—Sample of the "Standard" Feeding Cakes, No. 2 Quality; manufactured by the Exhibitors. Price £7 10s. to £8 10s., according to markets. In quality and properties identical with the No. 7 Meal, being the same mixture, and treated under "Simpson's" patent for making and vending "cooked" "spiced" meals and cakes.

11,035—Sample of the "Standard" Feeding Meal, No. 9 Quality; manufactured by the Exhibitors. Price £8 to £9, according to markets. Cooked and spiced, and extra rich in quality; for prize taking and finishing off.

11,036—Sample of the "Standard" Feeding Cakes, No. 4 Quality; manufactured by the Exhibitors. Price £8 10s. to £9 10s., according to markets. The same in quality as No. 9 meal, and intended for prize taking and finishing off.

11,037—Collection of Feeding Stuffs of Various Kinds.

Stand No. 593.—*"Spratt's Patent," of Henry Street, Bermondsey, London, S.E.*

Article 11,038—Spratt's Patent Meat "Fibrine" Dog Cakes; manufactured by the Exhibitor. Price £20 per ton. For all kinds of dogs. Used in the Royal Kennels, Ascot and Sandringham. Have obtained over 30 prize medals, including highest awards at London, 1873, Dublin and Paris, 1878. Sole purveyors to Birmingham National Dog Show; Dog Show, Paris Exhibition, 1878, and the kennel clubs of England, Ireland, and New York.

11,039—Spratt's Patent Speciality for Greyhounds; manufactured by the Exhibitor. Price £15 per ton. Made of entire ground wheat and oatmeal; best biscuits for greyhounds in training.

11,040—Spratt's Patent Plain Round Biscuits; manufactured by the Exhibitor. Price £13 per ton. For use where hounds are fed on flesh.

11,041—Spratt's Patent Forage Biscuits; manufactured by the Exhibitor. Price £18 per ton. A concentrated food for horses.

11,042—Spratt's Patent Genuine Scotch Oatmeal; manufactured by the Exhibitor. Price £18 per ton. For hounds, and a superior quality for household purposes.

11,043—Spratt's Patent Game Meal; manufactured by the Exhibitor. Price £20 per ton. Now proved beyond doubt to be the food of the future for rearing pheasants and all kinds of game.

11,044—Spratt's Patent Granulated Prairie Meat "Crissel;" manufactured by the Exhibitor. Price £28 per ton. Takes the place of insect life and ants' eggs. It is invaluable in rearing pheasants and all kinds of game. No keeper should be without it.

11,045—Spratt's Patent Poultry Meal; manufactured by the Exhibitor. Price £20 per ton. Unequalled as an egg producer, bone former, and flesh maker, and is now superseding all highly spiced and dangerously stimulating foods. Used at all the leading Exhibitions—Birmingham, Crystal Palace, Oxford, &c.

11,046—Spratt's Patent Pure Bone Meal; manufactured by the Exhibitor. Price £16 per ton. For dogs and poultry.

11,047—Spratt's Patent Pig Meal; manufactured by the Exhibitor. Price £14 per ton.

11,048—Cure for Distemper in Dogs; manufactured by the Exhibitor. Price 2s. 6d. per box. An effective cure for this scourge of the kennel.

11,049—Cure for Mange in Dogs; manufactured by the Exhibitor. Price in bottle, 1s. each; in jars, 7s. 6d. per gallon jar. It also destroys lice, tick, and fleas in dogs and other animals, and cures mange in horses, cattle, and pigs, and scab in sheep.

11,050—Cure for Worms in Dogs; manufactured by the Exhibitor. Price 1s. per box. A safe and certain expellant of these troublesome parasites.

11,051—Purgng Pills for Dogs; manufactured by the Exhibitor. Price 1s. per box. The safest aperient and liver pill.

11,052—Alterative Cooling Powders; manufactured by the Exhibitor. Price 1s. per box; and large boxes for kennels, £1.

11,053—Cure for Rheumatism, Lumbago, and Chest Founder, or Kennel Lameness; manufactured by the Exhibitor. Price 1s. per box; large boxes, 5s.

11,054—Cure for Jaundice or Yellows; manufactured by the Exhibitor. Price 1s. per box; large boxes, 5s.

11,055—Tonic Condition Pills; manufactured by the Exhibitor. Price 1s. per box; boxes for kennels, 5s.

11,056—Cough Pills; manufactured by the Exhibitor. Price 1s. per box; large boxes, 5s.

11,057—Liniment for Sprains, &c.; manufactured by the Exhibitor. Price 1s. per bottle; large bottles, 5s.

11,058—Cure for Canker of the Ear; manufactured by the Exhibitor. Price 1s. per bottle; large bottles, 5s. A safe and certain cure for this disease.

11,059—Soap, Non-Poisonous; manufactured by the Exhibitor. Price 6d. per tablet. For destroying lice, tick, fleas, and all parasites in horses, sheep, or dogs.

11,060—"Kennel" Medicine Chest; manufactured by the Exhibitor. Price £1 5s. each. Contains all our dog medicines; also various surgical appliances in a compact and handy form.

11,061—Samples of All Kinds of Navy Biscuits; manufactured by the Exhibitor. Price £14 to £20 per ton.

11,062—Samples of All Kinds of Grain Biscuits; manufactured by the Exhibitor. Price according to market value.

Stand No. 594.—*F. C. Matthews, Son, and Co., of Driffield, Yorkshire.*

Article 11,063—Matthews' Mixed Corn Cake; manufactured by the Exhibitors. Price £8 per ton at the Mill, subject to fluctuation.

11,064—Matthews' Driffield "Special" Linseed Cake; manufactured by the Exhibitors. Price £11 5s. per ton at the Mill, subject to fluctuation.

11,065—Matthews' Driffield "Special" Cotton Cake; manufactured by the Exhibitors. Price £7 per ton at the Mill, subject to fluctuation.

11,066—Matthews' Nitro-Phosphate for Turnips; manufactured by the Exhibitors. Price £6 10s. per ton, carriage paid.

11,067—Matthews' Ammonia-Phosphate for Wheat, Oats, and Barley; manufactured by the Exhibitors. Price £10 10s. per ton, carriage paid.

11,068—Matthews' Ammonia-Phosphate for Grass; manufactured by the Exhibitors. Price £10 10s. per ton, carriage paid.

Stand No. 595.—*Ayres, Chambers, and Ayre, of Waterloo Mills, Wilmington, Hull.*

Article 11,069—Waterloo Round Feeding Oilcakes; manufactured by the Exhibitors, by their patented process, from carefully selected combinations of oilseeds, corn, locust beans, and spices. Price £8 5s. per ton at Hull, subject to fluctuation of markets.

11,070—Samples of the Ingredients used by the Exhibitors in the manufacture of their cakes, in a raw state.

11,071—Samples of the Ingredients, ground and prepared for use in their Cakes.

11,072—Samples of x L Pure Linseed Cakes. Price according to markets.

11,073—Sample of Linseed from which same are prepared.

11,074—Sample of x L Pure Cotton Cakes.

11,075—Samples of Cotton Seed.

11,076—Sample of German Rubsen Seed Cakes.

11,077—Sample of East India Rape Seed Cakes.

11,078—Sample of Black Sea Rape Seed Cakes.

11,079—Sample of Locust Beans.

11,080—Sample of Various Styles of Grinding.

11,081—Sample of Locust Kernels, Ground and Unground.

11,082—Sample of Prepared Poultry Corn.

11,083—Large Model of the Waterloo Oil Mills and Warehouses. Scale $\frac{1}{4}$ of 1 in. to 1 foot.

Stand No. 596.—*P. W. Barr and Co., of Melbros Buildings, Exchange Street, Liverpool.*

Article 11,084—Old Calabar Feeding Stuffs; manufactured by the Exhibitors. Market prices.

11,085—Old Calabar Patent Dog Meat Biscuits; manufactured by the Exhibitors. Price £22 per ton, carriage paid.

11,086—Old Calabar Patent Poultry Meal; manufactured by the Exhibitors. Price £22 per ton, carriage paid.

11,087—Old Calabar Patent Brazilian Meat; manufactured by the Exhibitors. Price £28 per ton, carriage paid.

Stand No. 597.—*W. G. Clarke, of the Anchor Patent Biscuit Works, Limehouse, London, E.*

Article 11,088—Biscuits for Sheep, Pigs, Dogs, &c.; manufactured by the Exhibitor. Price 16s. per cwt.

11,089—Buffalo Meat Biscuits for Dogs, Poultry, &c.; manufactured by the Exhibitor. Price £1 per cwt.

11,090—Granulated Meat; manufactured by the Exhibitor. Price £1 5s. per cwt.

11,091—Pig Meal; manufactured by the Exhibitor. Price 10s. per cwt.

Stand No. 598.—*William Ash, Hope and Sons, Agricultural Chemists, of The Agricultural Hall, London, N.; and Anchor Mills, Wellingborough, Northamptonshire.*

Article 11,092—Hopes' Cattle Food (a Condimental Spice); manufactured by the Exhibitors. Price £1 4s. per cwt., carriage paid to nearest station in England. Special terms to large consumers. Also put up in cases containing feeds.

11,093—Hopes' Horse Condiment; manufactured by the Exhibitors. Price £1 8s. per cwt., in bags and barrels. Carriage paid to the nearest station in England. Also put up in cases containing feeds.

11,094—Hopes' Game and Poultry Spice; manufactured by the Exhibitors. Price £1 8s. per cwt., in bags and barrels. Also put up in cases containing feeds.

11,095—Hopes' Meat Dog Biscuits; manufactured by the Exhibitors. Price £1 2s. per cwt., in cwt. bags, carriage paid.

11,096—Hopes' Sheep Dipping Composition, for all Climates; manufactured by the Exhibitors. Price £2 per cwt.; cost per score, 1s. 4d.

Stand No. 599.—*Spouncer and Sons, of Gainsboro', Lincolnshire.*

Article 11,097—Milk Substitute for Rearing Calves, Pigs, &c.; manufactured by the Exhibitors. Price £1 15s. per cwt.

11,098—Farmer's Fortune, a Condiment for Cattle, Sheep, and Pigs; manufactured by the Exhibitors. Price £1 4s. per cwt.

11,099—Robustus, a Condiment for Horses; manufactured by the Exhibitors. Price £1 8s. per cwt.

Stand No. 600.—*Joseph Thorley, of Thornhill Bridge, Caledonian Road, King's Cross, London, N.*

Article 11,100—Thorley's Food for Cattle; manufactured by the Exhibitor. Price £34 per ton. Thorley's food for cattle, horses, sheep, pigs, calves, poultry, game, &c.

Stand No. 601.—*The Agricultural and Horticultural Association (Limited) (E. O. Greening, Managing Director), of 47, Millbank Street, Westminster, S.W.*

Article 11,101—Collection of Pure Linseed, Cotton, Rape, and other Oil Cakes. Prices various.

11,102—Samples of "One-and-All" Special Compound Feeding Meal, Smith's Palm-Nut Meal, and other Feeding Meals. Prices various.

11,103—Samples of Maize, and other Grain, and Feeding Stuffs. Prices various.

11,104—Collection of Unadulterated Agricultural and Garden Seeds. Prices various.

11,105—Collection of Unadulterated Artificial Manures. Prices various.

11,106—Series of Coloured Diagrams on Feeding Substances, Farm Crops, and Manures, and other Publications of the Agricultural and Horticultural Association. Prices various.

11,107—Copy of the 'Agricultural Economist' (Monthly Paper of the Agricultural and Horticultural Association), Volumes 1870 to 1878. Price 7s. 6d. each vol., and 5s. per annum, post free.

Stand No. 602.—*J. H. Thorley's Cattle Food Co. (Limited), of 104, Worship Street, London, E.C.*

Article 11,108—Boxes and Bags Containing Cattle Food; manufactured by the Exhibitors. Price £20 per ton.

11,109—Number of Cakes for Cattle Food; manufactured by the Exhibitors. Price £10 per ton.

Stand No. 603.—*J. Beach and Co., of the Dudley and Tipton Mills, Dudley, Worcestershire.*

Article 11,110—Beach's Farinaceous Food for Cattle, Sheep, Pigs, &c.; manufactured by the Exhibitors. Price £1 5s. per cwt. A preparation of herbs, seeds, roots, &c.; produces good health and a rapid deposit of flesh.

11,111—Beach's Condiment for Horses; manufactured by the Exhibitors. Price £1 5s. per cwt. An invigorating tonic; improves the health, increases the powers of endurance, and speedily brings the animal into fine condition.

Stand No. 604.—*Prellers Leather Co., of 57, Lant Street, Borough, London, S.E.*

Article 11,112—Double Band, Prellers Leather, 80 Ft. by 12 In.; manufactured by the Exhibitors. Price £16 17s. 6d.

11,113—Double Band, Prellers Leather, 50 Ft. by 6 In.; manufactured by the Exhibitors. Price £12 11s. 3d.

11,114—Double Band, Prellers Leather, 100 Ft. by 4 In.; manufactured by the Exhibitors. Price £17 5s.

11,115—Double Band, Prellers Leather, 100 Ft. by 3 In.; manufactured by the Exhibitors. Price £12 15s.

11,116—Single Band, Prellers Leather, 100 Ft. by 6 In.; manufactured by the Exhibitors. Price £13 10s.

11,117—Single Band, Prellers Leather, 100 Ft. by 4 In.; manufactured by the Exhibitors. Price £8 12s. 6d.

11,118—Single Band, Prellers Leather, 150 Ft. by 3 In.; manufactured by the Exhibitors. Price £9.

11,119—Double Band, Tanned Leather, 30 Ft. by 12 In.; manufactured by the Exhibitors. Price £16 17s. 6d.

11,120—Double Band, Tanned Leather, 50 Ft. by 6 In.; manufactured by the Exhibitors. Price £12 11s. 3d.

11,121—Double Band, Tanned Leather, 100 Ft. by 4 In.; manufactured by the Exhibitors. Price £17 5s.

11,122—Double Band, Tanned Leather, 100 Ft. by 3 In.; manufactured by the Exhibitors. Price £12 15s.

11,123—Single Band, Tanned Leather, 100 Ft. by 6 In.; manufactured by the Exhibitors. Price £13 10s.

11,124—Single Band, Tanned Leather, 100 Ft. by 4 In.; manufactured by the Exhibitors. Price £8 12s. 6d.

11,125—Single Band, Tanned Leather, 150 Ft. by 3 In.; manufactured by the Exhibitors. Price £9.

11,126—Single Band, Tanned Leather, 150 Ft. by 2 In.; manufactured by the Exhibitors. Price £5 1s. 3d.

11,127—Single Band, Tanned Leather, 150 Ft. by 1½ In.; manufactured by the Exhibitors. Price £3 18s. 9d.

11,128—Double Band, Tanned Leather, Wire Sewn, 60 Ft. by 4½ In.; manufactured by the Exhibitors. Price £11 14s.

11,129—Double Band, Tanned Leather, Waterproof, 25 Ft. by 4½ In.; manufactured by the Exhibitors. Price £3 18s. 9d.

11,130—Double Band, Tanned Leather, Lace Sewn, 60 Ft. by 4½ In.; manufactured by the Exhibitors. Price £11 14s.

11,131—Single Edged Band, Tanned Leather, 60 Ft. by 4½ In.; manufactured by the Exhibitors. Price £10 7s.

11,132—Double Band, Tanned Leather, 50 Ft. by 4 In.; manufactured by the Exhibitors. Price £6 15s.

11,133—Double Band, Tanned Leather, 50 Ft. by 3 In.; manufactured by the Exhibitors. Price £5 1s. 3d.

11,134—Single Band, Tanned Leather, 100 Ft. by 4 In.; manufactured by the Exhibitors. Price £6 15s.

11,135—Single Band, Tanned Leather, 100 Ft. by 8 In.; manufactured by the Exhibitors. Price £4 13s. 9d.

11,136—Leather Rope, 200 Ft.; manufactured by the Exhibitors. Price £12.

11,137—Leather Twist, 300 Ft.; manufactured by the Exhibitors. Price £6 15s.

11,138—Leather Round Banding, 300 Ft.; manufactured by the Exhibitors. Price £3 7s. 6d.

11,139—Leather Laces, 24 Gross; manufactured by the Exhibitors. Price £37 10s. 6d.

11,140—Leather Samples; manufactured by the Exhibitors. Price £5.

Stand No. 605.—*A. Hutchinson and Co., of 3 and 4, Great Winchester Street Buildings, London, E.C.*

Article 11,141—60-Ft. Endless Machine Band, 5-In. 4-Ply, India Rubber, and Long Staple Cotton; manufactured by the Exhibitors. Price £5.

11,142—65-Ft. Endless Machine Band, 5½-In. 4-Ply, India Rubber, and Long Staple Cotton; manufactured by the Exhibitors. Price £6 4s. 7d.

11,143—70-Ft. Endless Machine Band, 5½-In. 4-Ply, India Rubber, and Long Staple Cotton; manufactured by the Exhibitors. Price £6 13s. 2d.

11,144—Suction Hose, 8 Ft., 5-In. 4-Ply; manufactured by the Exhibitors. Price 6s. 6d. per foot.

11,145—Suction Hose, 11-Ft., 1½-In. 2-Ply; manufactured by the Exhibitors. Price 1s. 7d. per foot.

11,146—Suction Hose, 60 Ft., 2½-In. 2-Ply; manufactured by the Exhibitors. Price 2s. per foot.

11,147—Delivery Hose, 60 Ft., 1-In. 2-Ply; manufactured by the Exhibitors. Price 10d. per foot.

11,148—Delivery Hose, 60 Ft., 2-In. 3-Ply; manufactured by the Exhibitors. Price 1s. 8d. per foot.

11,149—Delivery Hose, 50 Ft., 4-In. 4-Ply; manufactured by the Exhibitors. Price 3s. 6d. per foot.

11,150—Fire Hose, Tanned Canvas, Lined India Rubber, 2½-In.; manufactured by the Exhibitors. Price 2s. 9d. per foot.

11,151—Brewers' Hose, 60 Ft., 1½-In. 3-Ply; manufactured by the Exhibitors. Price 1s. 8d. per foot.

11,152—Garden Hose, ½-In., 60 Ft. with Patent Branch; manufactured by the Exhibitors. Price £1 2s. 6d. complete.

11,153—6 Lengths Piston Packing (Corde Lewis), Self-Lubricating; Very Effective; manufactured by the Exhibitors. Price 2s. 6d. per pound.

11,154—3 Sheets India Rubber for Engineers' Use, ½-In., ¾-In., 1-In.; manufactured by the Exhibitors. Price 3s. 6d. per pound.

11,155—Collection of Wading and Fishing Boots; manufactured by the Exhibitors. Price 12s. to 18s. 6d.

11,156—Collection Samples Waterproof Coats, 12 Coats; manufactured by the Exhibitors. Price from 10s. to £1 5s. each.

11,157—6 Carriage Aprons, Lined Waterproof; manufactured by the Exhibitors. Price 15s. each.

11,158—6 Waterproof Ground Sheets or Blankets (Special Manufacture); manufactured by the Exhibitors. Price 7s. 6d. to 12s. each.

11,159—6 India Rubber Wheel Tyres, 14 In. to 50 In.; manufactured by the Exhibitors. Price 2s. 6d. to 12s. 6d. each.

11,160—Roll Machine Belting, 6-In. 6-Ply; manufactured by the Exhibitors. Price 2s. 10d. per foot.

11,161—Roll Machine Belting, 5-In. 4-Ply; manufactured by the Exhibitors. Price 1s. 8d. per foot.

11,162—Coil India Rubber Tubing, Grey, $\frac{1}{4}$ In.; manufactured by the Exhibitors. Price 1 $\frac{1}{4}$ d. per foot.

11,163—Coil India Rubber Tubing, Grey, $\frac{3}{8}$ -In.; manufactured by the Exhibitors. Price 2d. per foot.

11,164—Set of India Rubber Springs for Waggon, 4 Pieces; manufactured by the Exhibitors. Price £1 18s. 9d.

11,165—Coil India Rubber Tubing, Corrugated, Red, $\frac{1}{4}$ In.; manufactured by the Exhibitors. Price 2d. per foot.

11,166—Coil India Rubber Tubing, Corrugated Red, $\frac{3}{8}$ In.; manufactured by the Exhibitors. Price 3 $\frac{1}{4}$ d. per foot.

11,167—50-Ft. Endless Machine Band, 5-In. 4-Ply; manufactured by the Exhibitors. Price £4 13s. 4d.

11,168—3 Sample Lengths Brewers' Hose, 1 $\frac{1}{2}$ In. to 2 $\frac{1}{2}$ In.; manufactured by the Exhibitors. Price 1s. 8d. to 2s. 10d. per foot.

11,169—Pair Long Tanned Canvas Leggings; manufactured by the Exhibitors. Price 7s. 6d.

11,170—Pair Short Tanned Canvas Leggings; manufactured by the Exhibitors. Price 3s. 6d.

11,171—Endless Machine Band, 65 Ft., 5-In. 4-Ply; manufactured by the Exhibitors. Price £5 8s. 4d.

Stand No. 606.—*Denton and Jutsum, of Bow Common, E., and 8, New Broad Street, London, E.C.*

Article 11,172—Specimens and Improvements in Engine and Machine Decorations and for Agricultural Implements; manufactured by the Exhibitors. (*Models not for Sale.*)

11,173—Varnishes and Colours for Portable and Other Engines (Heat Resisting); manufactured by the Exhibitors. Price from £1.

11,174—Composition for Preventing Corrosion in Boilers; manufactured by the Exhibitors. Price from 14s. per gallon.

11,175—Samples of Ready Mixed Paints for Farm Buildings and Plant; manufactured by the Exhibitors. Price from £2 4s.

11,176—Composition for Preventing Rust on Reapers and Mowers, and Specimen Mower Beam and Knife so Prepared. Price from 7d. per pound.

11,177—Sample of Agricultural Grease for Steam Ploughing Gear, Engines and Farm Waggon; manufactured by the Exhibitors. Price from 10s. each.

Stand No. 607.—*Hayes, Crossley and Co., of Alcester, Warwick.*

Article 11,178—Collection of Pack Needles; manufactured by the Exhibitors. Price from 5s. per gross.

11,179—Collection of Sail and Sack Needles; manufactured by the Exhibitors. Price 10s. per gross.

11,180—Collection of Machine Needles; manufactured by the Exhibitors. Price 9s. per gross.

11,181—Collection of Sewing Needles in Various Sizes and Shapes; manufactured by the Exhibitors. Price 10s. per mille.

11,182—Collection of Elegant Needle Cases in 25 Different Patterns; manufactured by the Exhibitors. Price from 1s. to 2s. 6d. each.

11,183—Collection of Needle Cases and Threaders Combined; manufactured by the Exhibitors. Price from 1s. each.

Stand No. 608.—*Witty and Wyatt, of 9, Fenchurch Street, London, E.C.*

Article 11,184—(*New Implement.*)—Rough for Horses, Patent 3014; manufactured by the Exhibitors. Price 5s. the pair. The rough can be fitted or removed in a few minutes; will last three times longer than the old method; does not injure the shoe or hurt the horse's hoof; as they can be instantly removed, the horse cannot tread itself in the stable. Can be used with toe-piece for ice and snow, and without, for slippery pavement.

Stand No. 609.—*Ohlendorff and Co., of 15, Leadenhall Street, London, E.C.*

Article 11,185—Ornamental Stand, with Model and Plans of Ohlendorff's London Factory, and with Samples of Dissolved Peruvian Guano, &c., as Exhibited at the Paris Exhibition.

11,186—Sample of Dissolved Peruvian Guano; manufactured by the Exhibitors. Price £12 10s. per ton for 30 tons and upwards; £13 10s. per ton for less quantities. Of which Dr. Aug. Voelcker reports that "it is the most powerful intrinsically valuable and best prepared compound fertilizer which has ever been brought under my notice."

11,187—Sample of Ammoniacal Guano Superphosphate; manufactured by the Exhibitors. Price £8 15s. per ton for 30 tons and upwards; £9 15s. per ton for less quantities. This manure contains an appreciable quantity of ammonia, which renders it for many soils suitable for corn crops, and as a general manure.

11,188—Sample of Guano Superphosphate; manufactured by the Exhibitors. Price £6 10s. per ton for 30 tons and upwards; £7 10s. per ton for less quantities. This manure, manufactured from high-class phosphatic guanos, will be found of great efficiency as a general phosphatic manure.

11,189—Sample of Dissolved Bone Ash; manufactured by the Exhibitors. Price £6 10s. per ton for 30 tons and upwards; £7 10s. per ton for less quantities. The very high percentage of soluble phosphates in this manure are guaranteed to be derived exclusively from bone ash.

11,190—Samples of Various Special Manures, both for Home and Colonial Crops.

11,191—An Interesting Collection of Materials used in the Manufacture of Ohlendorff's Dissolved Peruvian Guano and Special Manures.

Stand No. 610. — *The Amies Chemical Manure Company (Limited), of 79, Mark Lane, London, E.C.*

Article 11,192—Samples of Amies' Chemical Manures for Corn, Roots, Grass, and Potatoes, &c.; manufactured by the Exhibitors. Price £12 per ton.

11,193—Samples of Produce Grown with the Manures.

Stand No. 611.—*Henry Webb and Co., of the Worcester Chemical Manure Works, Diglis, Worcester.*

Article 11,194—Sample of Webb's Soluble Peruvian Government Guano; manufactured by the Exhibitors. Price £13 per ton, net cash. Is advantageously employed for all purposes where Peruvian guano has usually been applied.

11,195—Sample of Webb's Combined Manure; invented and manufactured by the Exhibitors. Price £11 per ton. Has been extensively used for the last 15 years, with highly satisfactory results; it is an excellent manure for general purposes, and especially so for root crops.

11,196—Sample of Webb's Turnip Manure; manufactured by the Exhibitors. Price £8 per ton.

11,197—Sample of Webb's Wheat and Barley Manure; manufactured by the Exhibitors. Price £8 per ton.

11,198—Sample of Dissolved Bones, No. 1; manufactured by the Exhibitors. Price £8 per ton.

11,199—Sample of Special or Pure Dissolved Bones; manufactured by the Exhibitors. Price £9 per ton.

11,200—Sample of Webb's Prepared Bone Manure for Meadow Land; manufactured by the Exhibitors. Price £8 10s. per ton.

11,201—Sample of Webb's Prepared Bone Manure for Permanent Pasture; manufactured by the Exhibitors. Price £8 per ton.

11,202—Sample of Webb's Hop Manure; manufactured by the Exhibitors. Price £9 per ton.

11,203—Sample of Webb's Nitrophosphate, or Blood Manure; manufactured by the Exhibitors. Price £9 per ton.

11,204—Sample of Webb's Potato Manure; manufactured by the Exhibitors. Price £8 10s. per ton.

11,205—Sample of Webb's Bone Superphosphate of Lime; manufactured by the Exhibitors. Price £7 per ton.

11,206—Samples of Webb's Superphosphate of Lime; manufactured by the Exhibitors. Price £5 5s. to £9 per ton. Contains 25, 35, and 45 per cent. respectively of soluble phosphates. Special quotations for quantities.

11,207—Samples of Ground Bones, all Sizes, and Bone Meal; manufactured by the Exhibitors. Price varies.

11,208—Samples of Raw Materials Employed in the Manufacture of Chemical Manures. (*Not for Sale.*)

11,209—Sample of Angamo's Guano, Ex "Incas;" imported by the Exhibitors in the year 1844. (*Not for Sale.*)

11,210—Sample of Palm Nut Meal; manufactured by Messrs. A. M. Smith and Co., of Liverpool. Price varies.

11,211—Sample of Palm Nut Cake; manufactured by Messrs. A. M. Smith and Co. Price varies. Samples of the palm nut kernels, and the oil expressed therefrom, are exhibited with the meal and cake.

11,212—Sample of Cocoa Nut Meal; manufactured by Messrs. A. M. Smith and Co. Price varies.

11,213—Sample of Cocoa Nut Cake; manufactured by Messrs. A. M. Smith and Co. Price varies. Samples of the cocoa nuts, and the oil expressed therefrom, are exhibited with the meal and cake.

11,214—Sample of Decorticated Cotton Cake. Price varies.

11,215—Samples of Webb's Horticultural and Garden Manure; invented and manufactured by the Exhibitors. Price, in tins of 7 lbs. each, 3s. 6d.

Stand No. 612.—*Alfred Warner, of Chelmsford, Essex,*

Article 11,216—Sample of $\frac{1}{2}$ -In. Bones; manufactured by the Exhibitor. Price £8 per ton. Special quotations for large quantities.

11,217—Sample of Bone Dust; manufactured by the Exhibitor. Price £8 10s. per ton. Special quotations for large quantities.

11,218—Sample of Dissolved Bones; manufactured by the Exhibitor. Price £7 10s. per ton. Special quotations for large quantities.

11,219—Sample of Best Superphosphate; manufactured by the Exhibitor. Price £5 10s. per ton. Special quotations for large quantities.

11,220—Sample of Warner's Special Mangold and Turnip Manure; manufactured by the Exhibitor. Price £7 10s. per ton. Special quotations for large quantities.

11,221—Sample of Warner's Special Wheat, Barley, and Oat Manure; manufactured by the Exhibitor. Price £8 10s. per ton. Special quotations for large quantities.

11,222—Sample of Warner's Universal Fertilizer; manufactured by the Exhibitor. Price £13 10s. per ton. Special quotations for large quantities.

Stand No. 613.—*Samuel Nye and Co., of 373, Oxford Street, London, W.*

Article 11,223—Mincing and Sausage-Making Machine; manufactured by the Exhibitors. Price £22. Designed for use in hospitals, asylums, and other large institutions; manufacturers of preserved meat, &c. Fitted for steam power.

11,224—Mincing and Sausage-Making Machine; manufactured by the Exhibitors. Price £15 15s. Similar to the preceding, but smaller.

11,225—Mincing and Sausage-Making Machine; manufactured by the Exhibitors. Price £12 12s. The largest size for hand-power; useful machine for butchers. Fitted with fly-wheel, and mounted on iron bed-plate.

11,226—Mincing and Sausage-Making Machine; manufactured by the Exhibitors. Price £8 8s. Similar to the foregoing, but not fitted with fly-wheel.

11,227—Mincing and Sausage-Making Machine; manufactured by the Exhibitors. Price £5 5s. A very useful size for business purposes; recommended for butchers, hotels, and noblemen's establishments.

11,228—Mincing and Sausage-Making Machine; manufactured by the Exhibitors. Price £3 3s. Very efficient; suitable for a mansion or school. A well-finished machine, with a double row of knives.

11,229—Mincing and Sausage-Making Machine; manufactured by the Exhibitors. Price £2 2s. Similar to the foregoing, but smaller. Designed for ordinary households; a very useful machine for general purposes.

11,230—Mincing and Sausage-Making Machine; manufactured by the Exhibitors. Price £1 10s. A popular machine, for general domestic use, and the smallest size of the best quality; has a double row of knives. Much improved, and highly recommended for the above purposes.

11,231—Mincing Machine or "Masticator;" manufactured by the Exhibitors. Price £1 10s. Specially designed for the use of those who are unable from loss of teeth, &c., to masticate their food properly. Neatly made and finished; can be screwed to the table and instantly removed when done with. Minces meat, &c., hot or cold, cooked or uncooked. Highly recommended by the medical profession, the *Lancet*, &c. With double row of knives.

11,232—Mincing Machine or "Masticator;" manufactured by the Exhibitors. Price £10 10s. Similar to the preceding, but silver-plated throughout, and beautifully finished. Described by a recent purchaser as "a very handsome and complete affair."

11,233—Assortment of Mincing and Sausage-Making Machines; manufactured by the Exhibitors. Price 10s. 6d. to £1 1s. These are fitted with a single row of knives, and are designed for those whose requirements do not necessitate a machine of the best quality, as described above. (See Articles Nos. 11,228, 11,229, and 11,230.)

11,234—Assortment of Mills for Household Use; manufactured by the Exhibitors. Price 6s. to 14s. For grinding coffee, pepper, spice, rice, &c.; with cramp to screw to kitchen-table or dresser, and tin to catch the ground material. Very compact and fast grinding; can be regulated at pleasure to grind coarse or fine.

11,235—Mill; manufactured by the Exhibitors. Price 15s. Same pattern as last mentioned, but larger. For coffee, pepper, &c. With tin canister to receive the ground material.

11,236—Mill; manufactured by the Exhibitors. Price £1. A size larger than the above mentioned.

11,237—Mill for Grinding Coffee; manufactured by the Exhibitors. Price £3. For grocers. With fly-wheel; fitted with gun-metal bearings and iron stand for counter; strong and efficient. Mills of this pattern are also made for grinding wheat for brown bread, porridge, &c.

11,238—Mill; manufactured by the Exhibitors. Price £1 10s. For grinding coffee, pepper, rice, &c.; mounted on iron stand for counter.

11,239—Mill for Grinding Wheat for Brown Bread. Price 12s. and £1. Intended for household purposes. Enables any one to obtain a genuine brown loaf containing the whole of the constituents of the grain. In two sizes, with bag to receive the ground material.

11,240—Cocoa Mill; manufactured by the Exhibitors. Price 10s. On a similar principle to our well-known coffee-mills for domestic use. With cramp to screw on table, and tin canister (which also serves as a cover) to catch the ground material.

11,241—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £2. To clean 3 knives, including carver; on low stand.

11,242—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £2 15s. To clean 4 knives, including carver; on low stand.

11,243—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £3 5s. The same size as the preceding; on high stand. A very useful size at a low price.

11,244—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £4 4s. For 5 knives, including carver; on low stand.

11,245—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £4 14s. On high stand; to clean 5 knives.

11,246—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £5 5s. On low stand; to clean 6 knives.

11,247—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £5 15s. Similar to the foregoing; but on high stand.

11,248—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £6 6s. For 7 knives; on low stand.

11,249—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £7. On high stand; to clean 7 knives, including carver.

11,250—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £7 7s. For 8 knives, including carver; on low stand.

11,251—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £8 5s. On high stand; to clean 8 knives, including carver.

11,252—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £8 8s. To clean 9 knives, including carver; on low stand.

11,253—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £9 5s. On high stand; to clean 9 knives, including carver.

11,254—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £9 9s. For 10 knives, including carver; on low stand.

11,255—Rotary Knife Cleaning Machine; manufactured by the Exhibitors. Price £10 5s. On high stand; to clean 10 knives.

11,256—(*New Implement.*)—Rotary Knife Cleaning Machine for Yachts; manufactured by the Exhibitors. Price £3. Specially constructed for the above purpose, and occupies the least possible space. To clean 4 knives, including carver.

11,257—(*New Implement.*)—Sausage Filler, No. 1; manufactured by the Exhibitors. Price £1 5s. Fitted with tinned iron cylinder, and mounted on iron stand; holds 8 lbs. of meat.

11,258—Sausage Filler, No. 2; manufactured by the Exhibitors. Price £2. Similar in construction and design to the foregoing; holds 12 lbs. of meat.

11,259—Sausage Filler, No. 3; manufactured by the Exhibitors. Price £3 10s. A size larger than the above mentioned. Holds 18 lbs. of meat.

11,260—Sausage Filler, No. 2; manufactured by the Exhibitors. Price £3 10s. Similar to the foregoing, but fitted with brass cylinder and mounts; of superior finish and appearance throughout; holds 12 lbs.

11,261—Sausage Filler, No. 3; manufactured by the Exhibitors. Price £6 10s. A size larger than the preceding, and fitted in the same style. To hold 18 lbs.

11,262—Bone Mill; manufactured by the Exhibitors. Price £5 10s. For crushing bones into small pieces for feeding poultry or dogs.

11,263—Vegetable Slicer; manufactured by the Exhibitors. Price £1 5s. For rapidly slicing in equal thicknesses potatoes, carrots, cucumbers, and other vegetables. It has regulating screws, so that it may be adjusted to slice any required thickness.

11,264—Garden Engine; manufactured by Read & Co., of 35, Regent Circus, W. Price £7 10s. A powerful pump, fitted in galvanized iron tank, which holds 30 gallons, throws a continuous stream, and is a well made and substantially fitted machine.

11,265—Garden Engine; manufactured by Read & Co. Price £6. Similar in design and construction to the preceding, but smaller; the tank holds 24 gallons.

11,266—Pail Pump, and Fire Extinguisher; manufactured by Read & Co. Price £3 10s. A portable pump, designed either for use in the conservatory, or may be kept charged on landings or elsewhere for immediate use in case of fire. Complete, with fire jet and two roses for flowers.

11,267—Garden or Conservatory Pump; manufactured by Read & Co. Price £3 3s. A strongly made pump for garden or conservatory; throws a continuous stream. Fitted complete with flexible suction and delivery tubes, 2 roses, and a jet.

11,268—Garden or Conservatory Pump; manufactured by Read & Co. Price £2 12s. 6d. Similar to the preceding, but smaller.

11,269—Garden or Conservatory Pump; manufactured by Read & Co. Price £2 2s. The smallest size.

11,270—Assortment of Garden Syringes; manufactured by Read & Co. Price 12s. to £1 8s.

11,271—Assortment of Brawn Pressers; manufactured by the Exhibitors. Price 6s. 6d., 8s. 6d., and 10s. 6d. Very useful and cleanly; dispensing with the old-fashioned system of using weights.

11,272—Assortment of Sausage Skins and Seasoning; manufactured by the Exhibitors. Price 1s. to 2s.

11,273—Assortment of Brushes for Cleaning Nye's Miners; manufactured by the Exhibitors. Price 1s. 6d.

11,274—Coffee Roaster; manufactured by the Exhibitors. Price 7s. 6d. and 10s. 6d. May be used over an ordinary fire, stove, or gas; to roast respectively $\frac{1}{2}$ lb. and 1 lb.

11,275—Coffee Roaster and Stove Combined; manufactured by the Exhibitors. Price £2 15s. Strongly made, and burns coke, charcoal, or wood. Very suitable for use in the colonies; will roast $\frac{1}{2}$ lbs. or less at a time.

11,276—Self-Acting Coffee Roasting Apparatus; manufactured by the Exhibitors. Price £1 4s. and £1 8s. Consists of a cylinder, set in motion by clockwork, and arranged to hang on the bars of a stove; to roast respectively $\frac{1}{2}$ lb. and $\frac{1}{4}$ lb.

11,277—Assortment of Emery Powder for Nye's Knife Cleaners; manufactured by the Exhibitors. Price 1s., 2s., and 4s.

11,278—Garden and Conservatory Pump; manufactured by the Exhibitors. Price £1 5s. On an entirely new principle, being worked by a lever moved gently to and fro. Discharges a continuous stream; complete with flexible suction and delivery tubes, rose, and jet.

Stand No. 614.—*Thomas Farmer and Co., of Dunster House, Mark Lane, E.C., and Hall's Wharf, Victoria Docks, London, E.*

Article 11,279—Sample of Chemical (Dissolved) Guano, c; manufactured by the Exhibitors. Price £15 per ton.

11,280—Sample of Chemical (Dissolved) Guano, b; manufactured by the Exhibitors. Price £11 10s. per ton.

11,281—Sample of Chemical (Dissolved) Guano, a; manufactured by the Exhibitors. Price £9 per ton.

11,282—Sample of Nitro-Bone Manure; manufactured by the Exhibitors. Price £8 per ton.

11,283—Sample of Pure Dissolved Bones; manufactured by the Exhibitors. Price £8 15s. per ton.

11,284—Sample of Bone Manure; manufactured by the Exhibitors. Price £7 per ton.

11,285—Sample of Superphosphate, 40 Per Cent. Soluble; manufactured by the Exhibitors. Price £8 per ton.

11,286—Sample of Superphosphate, 30 Per Cent. Soluble; manufactured by the Exhibitors. Price £6 5s. per ton.

11,287—Sample of Superphosphate, 25 Per Cent. Soluble; manufactured by the Exhibitors. Price £5 10s. per ton.

11,288—Various Samples of Raw Materials Used in the Manufacture of Manures. (*Not for Sale.*)

Stand No. 615.—*Morris and Griffin, of the Ceres Works, Wolverhampton, Staffordshire.*

Article 11,289—Samples of Superphosphate, from 20 to 25 Per Cent. Soluble. Price from £4 to £7 per ton.

11,290—Samples of Bone Manure and Dissolved Bones. Price: bone manure, £6 per ton; dissolved bones from £7 to £9 per ton. The latter guaranteed pure bones and acid.

11,291—Samples of Corn, Root, and Hop Manures. Price from £8 to £10 per ton.

11,292—Sample of Soluble Peruvian Government Guano. Price £12 10s. per ton.

11,293—Sample of Pure Ground Bones. Price from £8 10s. per ton, upwards.

11,294—Sample of Grazing and Mowing Grass Manures. Price from £7 10s. per ton, upwards.

11,295—Samples of Raw Material from which Manures are Manufactured.

Stand No. 616.—*Daniel de Pass, of 128, Leadenhall Street, London, E.C.*

Article 11,296—Sample of Raw Ichaboe Guano ; imported by the Exhibitor. Price £16 10s. per ton. Imported from the Ichaboe group of islands, and is famous for its extraordinarily high percentage of ammonia, containing 16·51 per cent. of that ingredient, with 20 per cent. of guano phosphate and potash. Several thousands of tons are annually imported and sold.

11,297—Sample of Ammonia-Fixed and Phosphated Ichaboe Guano, No. 2 ; manufactured by the Exhibitor. Price £13 10s. per ton. From raw Ichaboe guano ; its noteworthy feature being the economised state of its valuable fertilizing ingredients. The ammonia is fixed, which prevents loss, and the guano phosphates are nearly all soluble ; contains 9 to 10 per cent. non-volatile ammonia, 20 to 22 per cent. soluble guano, phosphate and potash.

11,298—Sample of Ammonia-Fixed and Phosphated Ichaboe Guano, No. 3 ; manufactured by the Exhibitor. Price £13 per ton. A preparation of raw Ichaboe guano, similar in its fertilizing properties to the ammonia-fixed Ichaboe guano, No. 2, but contains less ammonia, with a larger percentage of soluble guano phosphate.

11,299—Sample of Patent Fertilizing Insecticide ; manufactured by the Exhibitor. Price £11 per ton. A substance introduced into a valuable fertilizer. Patented by the Exhibitor in the United Kingdom, France, Germany, &c., and is famous for its fertilizing properties in combination with destroying powers upon insect pests that affect agriculture.

11,300—Sample of Dissolved Bones ; manufactured by the Exhibitor. Price £5 10s. per ton. Manufactured from raw bones and phosphate.

11,301—Sample of Dissolved Bones (Specially Prepared) ; manufactured by the Exhibitor. Price £8 per ton. A similarly prepared manure to dissolved bones, but contains a much larger percentage of ammonia derived from raw bones, and also contains a high percentage of bone and soluble phosphate.

11,302—Sample of Superphosphate of Lime ; manufactured by the Exhibitor. Price £5 5s. per ton. Contains a large percentage of soluble phosphate.

11,303—Sample of Special Superphosphate of Lime ; manufactured by the Exhibitor. Price £8 per ton. Contains 40 to 42 per cent. soluble phosphate.

11,304—Sample of Potato, Mangold, and Root Manure ; manufactured by the Exhibitor. Price £9 per ton. A carefully prepared and well balanced manure, containing a large percentage of those fertilizing essentials suitable for the particular crops for which it is intended. Contains nitrogen equal to 11 to 12 per cent. sulphate of ammonia, and 22 to 24 per cent. of alkaline salts and potash.

11,305—Sample of Cereal Manure ; manufactured by the Exhibitor. Price £7 per ton. A well-prepared manure for spring top dressings.

11,306—Sample of Special Hop Manure ; manufactured by the Exhibitor. Price £8 10s. per ton. Prepared from Ichaboe guano and other high-class raw materials, and contains a large percentage of ammonia, potash, and other essentials necessary for the growth of the hop plant.

11,307—Sample of Guanate ; manufactured by the Exhibitor. Price £7 10s. per ton. A fertilizer, composed of Ichaboe guano, phosphate of lime, and other lasting essentials.

11,308—Sample of Bone Charcoal Superphosphate; manufactured by the Exhibitor. Price £7 5s. per ton. Contains a large percentage of soluble phosphate of organic origin, rendering it a more permanent manure than if prepared from mineral phosphate.

Stand No. 617.—*Langdale's Chemical Manure Co. (Limited), of the Tyne Manure and Chemical Works, Newcastle-upon-Tyne.*

Article 11,309—Sample of Langdale's Champion Manure; manufactured by the Exhibitors. Price £11 5s. per ton. Specially prepared for turnips and strong or clay soils.

11,310—Sample of Langdale's Challenge Manure; manufactured by the Exhibitors. Price £8 11s. per ton. Specially adapted for turnips and turnip soils.

11,311—Sample of Langdale's Potato Manure; manufactured by the Exhibitors. Price £9 9s. per ton.

11,312—Sample of Extra Quality Top-Dressing Manure; manufactured by the Exhibitors. Price £10 16s. per ton. For wheat, barley, oats, beans, grass, or clover.

11,313—Sample of Top-Dressing Manure; manufactured by the Exhibitors. Price £8 2s. per ton. For wheat, barley, oats, beans, grass, or clover.

11,314—Sample of Langdale's Ammonia-Fixed Guano; manufactured by the Exhibitors. Price £10 16s. per ton.

11,315—Sample of Phospho-Peruvian Guano; manufactured by the Exhibitors. Price £9 18s. per ton.

11,316—Sample of Langdale's Special Dissolved Bones; manufactured by the Exhibitors. Price £7 13s. per ton.

11,317—Sample of Dissolved Bones and Bone Meal; manufactured by the Exhibitors. Price £7 4s. per ton.

11,318—Sample of Dissolved Bones; manufactured by the Exhibitors. Price £6 15s. per ton.

11,319—Sample of Superphosphate, 26 to 28 per Cent. Soluble Phosphate; manufactured by the Exhibitors. Price £4 15s. per ton.

11,320—Sample of Superphosphate, 28 to 30 per Cent. Soluble Phosphate; manufactured by the Exhibitors. Price £5 per ton.

11,321—Sample of Superphosphate, 30 to 32 per Cent. Soluble Phosphate; manufactured by the Exhibitors. Price £5 7s. 6d. per ton.

11,322—Sample of Superphosphate, 33 to 35 per Cent. Soluble Phosphate; manufactured by the Exhibitors. Price £6 per ton.

11,323—Sample of Super-Phosphate, 37 to 39 per Cent. Phosphate; manufactured by the Exhibitors. Price £7 per ton.

11,324—Sample of Superphosphate, 40 to 43 per Cent. Soluble Phosphate; manufactured by the Exhibitors. Price £7 10s. per ton.

11,325—Sample of Kainit, 23 to 25 per Cent. Sulphate of Potash; imported by the Exhibitors. Price £2 5s. per ton.

11,326—Sample of Muriate of Potash; imported by the Exhibitors. Price £10 10s. per ton.

11,327—Sample of Nitrate of Soda; imported by the Exhibitors.

11,328—Sample of Sulphate of Ammonia; manufactured by the Exhibitors. Price £18 10s. per ton.

11,329—Sample of $\frac{1}{4}$ -In. Crushed Bones; manufactured by the Exhibitors. Price £7 10s. per ton.

11,330—Sample of $\frac{1}{4}$ -In. Crushed Bones; manufactured by the Exhibitors. Price £7 12s. 6d. per ton.

11,331—Sample of $\frac{1}{4}$ -In. Crushed Bones; manufactured by the Exhibitors. Price £7 12s. 6d. per ton.

11,332—Sample of $\frac{1}{4}$ -In. Raw Bones; imported by the Exhibitors. Price £7 7s. 6d. per ton.

11,333—Sample of Rough Bones; imported by the Exhibitors. Price £7 7s. 6d. per ton.

Stand No. 618.—*William A. Gibbs, of Gillwell Park, Chingford, Essex.*

Article 11,334—(*New Implement.*)—Model of Patent Hay Dryer; manufactured by direction of the Exhibitor. The full sized machines dry out 35 per cent. of water from hay at the rate of 20 loads a day; they will dry all grain crops also, and flax, wool, megass, and other fibrous products, and are in regular use for recovering the straw from litter. (*Not for Sale.*)

11,335—(*New Implement.*)—Model of Patent Tea Dryer; manufactured by direction of the Exhibitor. The full sized machines dry 75 maunds of tea per diem, and by the improvement in the quality of the tea so dried, one company alone realized an additional profit of £600 last season. They are suitable also for drying corn, coffee, chemical salts, manures, hops, brewers' grains, fruit, and vegetables. (*Not for Sale.*)

11,336—Model of the First Hay Dryer ever Used in this or any other Country; manufactured by direction of the Exhibitor. This was adopted by the Duke of Sutherland, Lord Kinnaird, Sir T. F. Buxton, Bart., Hon. Mrs. Maberly, Mr. Amerfoort (of Holland), Mr. H. N. Ainsworth, Mr. Turner, Mr. Livingston Learmonth, &c. Still useful for small holdings, where cheapness and simplicity are more important than saving of labour. (*Not for Sale.*)

11,337—Selection from the Working Drawings of the New Hay Dryer, Constructed for the Duke of Sutherland; manufactured by His Grace's Engineers, at Brora, N.B.

Stand No. 619.—*Frederick Edgington and Co., of 52, Old Kent Road, London, S.E.*

Article 11,338—Rick Cloth, 30 Ft. by 30 Ft.; manufactured by the Exhibitors. Price £12.

11,339—Set of Ropes with Pulleys Complete; manufactured by the Exhibitors. Price £4.

11,340—Waterproof Hay Sheet, 21 Ft. by 12 Ft.; manufactured by the Exhibitors. Price £4 4s.

11,341—Canvas Hay Sheet, 21 Ft. by 12 Ft.; manufactured by the Exhibitors. Price £3 3s.

- 11,342**—Waterproof Cart Cover, 8 Ft. by 8 Ft.; manufactured by the Exhibitors. Price £1 3s.
- 11,343**—Sheep Folding Net, 50 Yards; manufactured by the Exhibitors. Price £1 13s. 4d.
- 11,344**—Cocoa Nut Fibre Horse Nose Bag, with Leather Bottom; manufactured by the Exhibitors. Price 4s.
- 11,345**—Hair Horse Nose Bag, with Leather Bottom; manufactured by the Exhibitors. Price 4s. 6d.
- 11,346**—5-Bushel Flour Sack; manufactured by the Exhibitors. Price 1s. 6d.
- 11,347**—4-Bushel Corn Sack; manufactured by the Exhibitors. Price 1s. 3d.
- 11,348**—8-Bushel Offal Sack; manufactured by the Exhibitors. Price 1s. 3d.
- 11,349**—Sample of Fish and Blood Manure; manufactured by the Exhibitors. Price £6 10s. per ton.
- 11,350**—Sample of Bone Superphosphate; manufactured by the Exhibitors. Price £6 10s. per ton.
- 11,351**—Sample of Peruvian Guano; imported by the Exhibitors. Price £14 per ton.
- 11,352**—Sample of Nitrate of Soda; imported by the Exhibitors. Price £14 10s. per ton.
- 11,353**—Sample of Dissolved Bones; manufactured by the Exhibitors. Price £7 per ton.

Stand No. 620.—*Morgan Brothers, Proprietors of the 'Ironmonger,' 44a, Cannon Street, London, E.C.*

Article 11,354—'The Ironmonger and Metal Trades' Advertiser'; weekly; issued each Saturday. Post free to subscribers at home 10s., abroad for £1, per annum, payable in advance, including gratis copy of a diary at end of each year. Single copies 6d. each. Foreign supplement is published in English, French, German, Spanish, and Italian, every fourth Saturday. Subscriptions, advertisements, &c., received at Stand: E. P. Halse, publisher.

Stand No. 621.—*Cassell, Petter and Galpin, of Ludgate Hill, London, E.C.*

Article 11,355—'The Live Stock Journal and Fancier's Gazette'; published by the Exhibitors. A breeder's, exhibitor's, and country gentleman's chronicle. Terms to subscribers, payable at our stand, by post: yearly, 15s.; half yearly, 7s. 8d.; quarterly, 3s. 10d.; every Friday, price 3d., by post, 3½d. Advertisements received at the stand.

11,356—Important New and Forthcoming Works bearing on Live Stock, Agriculture, Dairy Farming, and others; published by the Exhibitors. Prices various. Catalogue on application at this stand.

Stand No. 622.—*Alfred Brimmer, of 10, Old Bailey, London, E.C.*

Article 11,357—‘The Provisioner’: a Technical and Commercial Journal for Cheesemongers, Cowkeepers, Dairy Farmers, Milk Vendors, Pork Butchers, Poulterers, and Provision Merchants; published on the 1st and 16th of each month. Price 3d., of all newsagents, or post free to any part of the world for one year (commencing at any time) for 5s. 6d., payable in advance to the publisher, Alfred Brimmer, 10, Old Bailey, London, E.C.

Stand No. 623.—*Proprietors of the ‘Mark Lane Express’ Newspaper, of 265, Strand, London, W.C.*

Article 11,358—‘Mark Lane Express and Agricultural Journal.’ Will contain complete reports of the Show. Advertisements and subscriptions received at the stand. Published every Monday evening. Price 7d., free by post.

11,359—‘The Farmer’s Magazine.’ Monthly. Price 2s.

Stand No. 624.—*The Proprietors of ‘The Farmer’ Newspaper, of 13a, Salisbury Square, Fleet Street, London, E.C.*

Article 11,360—‘The Farmer’ Newspaper. Published every Monday. Price 5d.

11,361—‘Farmers’ and Gardeners’ Almanack.’ Price 1s.

11,362—‘Villa Gardener Manual.’ Price 1s.

11,363—‘Villa Gardener.’ Monthly Magazine. Price 6d.

11,364—‘Country Gentleman’s Magazine.’ Monthly. Price 1s.

11,365—‘The Illustrated Guide of the Royal Agricultural Society’s Metropolitan International Exhibition.’ Price 1s.

11,366—Notes on the Exhibition by ‘The Farmer.’ Price 1d.

Stand No. 625.—*Alexander K. Bruce, of 7, Catherine Street, Strand, London, W.C.*

For particulars of entry, see Stand No. 512 in Machinery in Motion Sheds.

Stand No. 626.—*Walter Darkin, Publisher of ‘Bell’s Weekly Messenger and Farmers’ Journal,’ of 26, Catherine Street, Strand, London, W.C.*

Article 11,367—‘Bell’s Weekly Messenger and Farmers’ Journal,’ the oldest landowners’ and tenant farmers’ newspaper; established 1796; published every Monday evening in time for post. Price 5d.; subscription, post free (payable in advance), 6s. per quarter, 12s. half year, £1 3s. 10d. per year. Subscriptions and advertisements received at the stand.

11,368—‘Bell’s Weekly Messenger and Farmers’ Journal.’ “Special Number” to be issued on Wednesday, July 2nd, to contain full report of the Show. On sale at the stand.

Stand No. 627.—*Piesse and Lubin, Flower Farmers, 2, New Bond Street, London, W.*

Article 11,369—Essential Oil of Lavender; grown and distilled by the Exhibitors at their Stillery, Mitcham Road, Surrey. Present Price £3 18s. per lb. An acre of ground will produce about £30 worth of oil.

11,370—Essential Oil of Peppermint; grown and distilled by the Exhibitors at their Stillery. Present Price, £1 6s. per lb.

11,371—Plant of Orris; grown by Dr. G. W. S. Piesse, of Hughenden House, Chiswick, W.

11,372—Original Vase of Attar of Roses; distilled by Messrs. Papapazougrou, at their Farm in Bulgaria. Price £1 15s. per oz.

11,373—Spirit Extract of Acacia; manufactured at M. Herman’s Farm at Cannes. Price 15s. per pint.

11,374—Spirit Extract of Jasmin; manufactured at M. Herman’s Farm. Price 16s. per pint.

11,375—Spirit Extract of Tuberose; manufactured at M. Herman’s Farm. Price 16s. per pint.

11,376—Spirit Extract of Orange Blossom; manufactured at M. Pilar’s Farm at Grasse. Price 15s. per pint.

11,377—Plants of Sweet and Bitter Oranges; from M. Pilar’s Farm.

11,378—Plants and Essential Oil of Geranium Capitatum; from Robillard’s Farm at Valencia, Spain. Price £2 8s. per lb. for the oil.

11,379—Oil of Violet and Spirit of Violet; from M. Metzler’s Farm at Mentone. Price £1 per pint.

11,380—Essential Oil of Thyme; grown and distilled by the Exhibitors, at their Stillery, Mitcham.

Stand No. 628.—*James Dickson and Sons, Seed Growers and Nurserymen, of 108, Eastgate Street, and “Newton” Nurseries, Chester.*

11,381—Assortment of Wheat, Oats, Barley, &c., in the Straw and Grain; Dried Specimens of Natural Grasses; Samples of Seeds of same, and of other Agricultural Seeds. (*Not for Sale.*)

11,382—Specimens of Trees and Plants, as grown at the “Newton” Nurseries, Chester. (*Not for Sale.*)

Stand No. 629.—*William Henry Mold, of Bethersden, Ashford, Kent.*

Article 11,383—Mold’s Ennobled White Wheat, 2 Roots Showing 105 and 76 Heads from One Grain. Price £4 12s. per qr. Samples of grain, heads, &c. This high-bred cereal requires to be sown thin and early; it is the best miller’s wheat and splendid straw.

11,384—Mold's Ennobled Red Wheat—Samples of Heads, Grain, and Straw. Price £4 12s. a qr. The 1879 quantity of both these wheats is limited; but from thin sowing of these high-bred cereals, 7 qrs. per acre of cleaned wheat has been several times obtained on poor land. Five governments ordered in 1878: United States, 100 qrs., South Australia, Japan, Victoria, and New South Wales.

11,385—Mold's Ennobled Oats—Samples of Heads and Grain. Price £2 10s. a qr. The best straw for fodder, and most productive grain, and this high-bred cereal requires to be sown thin, and will then yield the most valuable crop.

11,386—Mold's Golding Hop Sets—Samples of Hops. Price 10s. per 100 sets. Ten acres to be seen raised by W. H. Mold since 1864 of this best and most productive hop in cultivation, having produced from £100 to £190 an acre per annum.

Stand No. 630.—*Sutton and Sons, the Queen's Seedsmen, of the Royal Berks Seed Establishment, Reading, Berkshire.*

Article 11,387—Suttons' Royal Museum of Agricultural, Horticultural, and Floricultural produce, including collection exhibited by Messrs. Sutton at the late Paris Exhibition. The French Government conferred the decoration of the Legion of Honour (the only instance of this great distinction being conferred on an English exhibitor at the above Exhibition), in addition to five Prize Medals, gold and silver, to Messrs. Sutton and their Paris agent.

11,388—Collection of 250 Specimens of Grasses Grown at Messrs. Suttons' Experimental Farm, Reading. Mixtures of these grasses supplied annually to the Queen, the Prince of Wales, and principal estates in the kingdom; Suttons' Crystal Palace Mixture of Fine Grasses and Clovers was supplied for sowing the grounds of the Vienna Universal Exhibition 1873, Philadelphia Exhibition 1876, and Paris Exhibition.

11,389—Large Collection of Grasses in Growth, showing the excellent Germinating Properties of Suttons' Grass Seeds for all Soils.

11,390—A Very Fine Collection of Mangel Roots, Growth of 1878, including Sutton's Mammoth Long Red Mangel, which has been awarded 8 First Prizes at the Birmingham Show, and grows to the weight of 110 tons per acre; Suttons' Berkshire Prize Yellow Globe Mangel, the best variety, produced 84 tons per acre on Earl of Warwick's farm, Heathcote; Suttons' Golden Tankard Yellow Flesh Mangel, awarded Highland Society's Gold Medal, 1872.

11,391—1,000 Different Kinds of Vegetable, Flower, Farm, and Grass Seeds, in Glass cases, distinctly labelled with their Botanical and Popular names, forming one of the most complete Seed Museums ever exhibited.

11,392—Remarkable Specimens of Suttons' Champion Swede. This popular variety is generally acknowledged to be the best in cultivation, remarkable alike for its extreme hardihood, as for its excellent feeding properties. It has been awarded upwards of £5,000 in prizes since its introduction.

11,393—300 Different Sorts of Suttons' Home-Grown Farm, Vegetable, and Flower Seeds, showing their Purity and Excellent Quality.

11,394—Extensive Collection of Models of different Varieties of Vegetables, Potatoes, &c., a portion of which were exhibited in Messrs. Suttons' magnificent Collection of Seeds, Roots, Models, &c., at the Vienna Universal Exhibition of 1873, and which was awarded the Grand Medal for Progress.

11,395—A Display of Handsome Silver Cups, which, with other valuable prizes amounting to upwards of £500, are presented by Messrs. Sutton this year for the best field crops and pulled specimens grown from their seeds.

Stand No. 631.—*Edward Webb and Sons, the Queen's Seedsmen, of the Royal Seed Establishment, Wardsley, Stourbridge, Stafford.*

Article 11,396—Webbs' Prize Stocks of Home-Grown Farm Seeds.

11,397—Webbs' Home-Grown Vegetable and Flower Seeds.

11,398—Webbs' Prize Medal Grass and Clover Seeds, for all Soils; in bags and in growth.

11,399—Webbs' Prize Medal Grass and Clover Seeds, as Exported.

11,400—Webbs' Prize Medal Grasses and Clovers. A Collection of Specimens grown at Exhibitors' experimental farms at Kinver.

11,401—Webbs' Improved Varieties of Agricultural Roots.

11,402—Webbs' Imperial Swede; the best Swede in Cultivation; celebrated as an enormous weight grower and great prize taker.

11,403—Webbs' Prize Stocks of Mangold; remarkable for producing the heaviest and best crops.

11,404—Webbs' White-Fleshed and Yellow-Fleshed Turnips; heavy croppers of the finest quality.

11,405—Webbs' Prize Cereals; both grain and in straw.

11,406—Webbs' Improved "Schoolmaster," Webbs' "Surprise" Early Ashleaf, Webb's Improved "Magnum Bonum," and other new and superior varieties of Potatoes.

11,407—Webbs' Thousand-Headed Kale or Cabbage.

11,408—Webbs' New Early Drumhead Cattle Cabbage.

11,409—Webbs' True Prickly Comfrey.

11,410—Webbs' Special Manures for all Crops.

11,411—Webbs' Prize Silver Cups and other Plate, value nearly £500, to be awarded at Webbs' Great Root Show of 1879, to be held at Curzon Hall, Birmingham, and other leading meetings of the year.

Stand No. 632.—*H. Wheeler and Son, of Gloucester.*

Article 11,412—Collection of Farm Seeds and Roots.

11,413—Comprehensive Collection of Grass Seeds; best adapted for laying down land to permanent pasture on the following geological formations: viz., London clay, chalk, oolite, lias, new red sandstone, limestone, coal measures, old red sandstone, Oxford clay, and Silurian, respectively.

11,414—Collection of Highly Gleaned and Selected Clover Seeds.

Stand No. 633.—*John K. King, Agricultural Seed Grower, of Coggeshall, Essex.*

Article 11,415—Field Specimens of King's Prize Roots of Man-gold Wurzel grown by various customers from seed supplied by the Exhibitor. Samples of seeds of various kinds as harvested on the Exhibitor's seed farms, all of which are remarkably clean dressed.

Stand No. 634.—*Spong and Co., of 28, King William Street, Charing Cross, London, W.C.*

Article 11,416—(*New Article.*)—Rat, Rabbit, and General Vermin Trap; manufactured by the Exhibitors. Price £1 5s. It kills about eight animals, one after the other, without resetting, throwing them about 18 feet from the trap. Patented in England for fourteen years.

11,417—(*New Article.*)—Patent Mouse Trap; manufactured by the Exhibitors. Price 6d.

11,418—(*New Article.*)—Patent Rat and Weasel Trap; manufactured by the Exhibitors. Price 1s.

11,419—(*New Article.*)—Patent Rabbit and Wild Cat Trap; manufactured by the Exhibitors. Price 5s.

11,420—(*New Article.*)—Patent Wolf, Fox and Wild Dog Trap; manufactured by the Exhibitors. Price £1 1s.

11,421—(*New Article.*)—Patent Tiger and Panther Trap; manufactured by the Exhibitors. Price £5 5s. Suitable for other large game.

11,422—(*New Article.*)—Patent Bird Trap; manufactured by the Exhibitors. Price 2s. 6d. This trap catches the bird alive.

Stand No. 635.—*Thomas Christy and Co., of 155, Fenchurch Street, London, E.C.*

Article 11,423—Christy's Hydro-Incubator (Registered); manufactured by the Exhibitors. Price £17 15s. With two cisterns and four egg drawers; to hatch up to 500 eggs. On stand.

11,424—Christy's Hydro-Incubator (Registered); manufactured by the Exhibitors. Price £5 6s. On stand; to hatch up to 90 eggs.

11,425—Thermometer; manufactured by Negretti and Zambra, of Viaduct, Holborn. Price 2s. 6d. One high range for testing boiling water.

11,426—Open Air Rearer (Registered); manufactured by the Exhibitors. Price £7 5s. For rearing poultry and game on lawns, in fields or shrubberies, in all seasons. Complete with glass frames and fencing, feeding troughs, &c.

11,427—Syphon Rearing Mother (Registered); manufactured by the Exhibitors. Price 17s. 8d. Used as an indoors auxiliary mother and to separate broods. The cheapest and simplest of all rearing mothers.

11,428—Tell-Tale Egg Tester (Registered); manufactured by the Exhibitors. Price 1s. For the examination of eggs under hens or in the incubator.

11,429—"Engraisseuse"; manufactured by Madame Aillerat, of La Flèche, France. Price £3 18s. A fattening pen for six fowls or ducks, with drawer to catch the pure manure, worth as much as 20s. per cwt.

11,430—The "Compressive" Patent Poultry and Duck Fattener; manufactured by E. Rouillier-Arnanet and E. Arnanet, of Gambais, Seine-et-Oise, France. Price £3 10s. Self-acting, speediest, and most economic poultry fattener.

11,431—Collection of Forage Plants and Seeds; shown by the Exhibitors. Price £5. A specimen of pure solid stemmed (Russian stock) Caucasian prickly comfrey, and ordinary prickly comfrey; seeds and plants of Feosinte (Reana Luxurians).

11,432—Thermometer; manufactured by Negretti and Zambra, of Viaduct, Holborn. Price 2s. 6d. One low range for the egg drawer.

Stand No. 636.—*John Green, of 44, Kennedy Street, Manchester.*

Article 11,433—(*New Implement.*)—Model of Potato Digger; manufactured by the Exhibitor. Price £50. Capable of raising and collecting potatoes into heaps or rows ready to be carted off the field. Available also for collecting stones or ores lying on or near the surface of the ground.

Stand No. 637.—*William Gilpin, Sen., and Co., of Wedge Mills, and Churchbridge Works, Cannock.*

Article 11,434—Case Containing an Assortment of Edge Tools and other Articles; manufactured by the Exhibitors. Price from 2s. to £2. Patent augers and bits, axes, adzes, pickaxes, bill and broom hooks, hay, stable, and digging forks, slashers, choppers, cleavers, hatchets, hammers, trowels, &c.

Stand No. 638.—*Joseph Davis and Co., of 90 and 92, Crompton Street, Newington Butts, S.E.; and 309, Regent Street, London, W.*

Article 11,435—Royal Polytechnic Barometer, in Light Oak Frame; manufactured by the Exhibitors only. Price £4 4s. This barometer has separate indications for approaching weather in "summer" and winter, together with all the latest improvements of Admiral Fitzroy, &c.

11,436—Royal Polytechnic Barometer, in Dark Oak Frame; manufactured by the Exhibitors only. Price £4 4s.

11,437—Royal Polytechnic Barometer, in Black Oak Frame; manufactured by the Exhibitors only. Price £5 5s.

11,438—Royal Polytechnic Barometer, in Dark Oak Frame; manufactured by the Exhibitors only. Price £5 5s. This barometer has extra large column of mercury, and 2 best-quality thermometers attached.

11,439—Royal Polytechnic Barometer, in Light Oak Frame; manufactured by the Exhibitors only. Price £5 5s. Same interior fittings as above.

11,440—Royal Polytechnic Barometer; manufactured by the Exhibitors only. Price £7 7s. In carved oak Gothic frame, with extra large column of mercury, extra thermometers, &c.

11,441—Royal Polytechnic Barometer; manufactured by the Exhibitors only. Price £7 7s. In carved black frame, richly gilt, and ornamented with Wedgewood medallion, with all best interior fittings, and extra large column of mercury.

11,442—Assortment of Royal Polytechnic Barometers; manufactured by the Exhibitors only. Price £4 4s. each.

11,443—Assortment of Royal Polytechnic Barometers; manufactured by the Exhibitors. Price £5 5s.

11,444—Farmer's Aneroid Barometer; manufactured by the Exhibitors only. Price 10s. 6d. An extraordinarily accurate instrument in brass case, and with registering hands.

11,445—Combined Aneroid Barometer, with Clock; manufactured by the Exhibitors only. Price £2 12s. In carved oak frame, with eight-day watch-movement clock.

11,446—Collection of Aneroid Barometers; manufactured by the Exhibitors. Price 10s. 6d. to £15 15s. Each instrument guaranteed, and all frames are carved from the solid oak.

11,447—Maximum and Minimum Registering Thermometers; manufactured by the Exhibitors. Price 10s. 6d. and £1 1s.

11,448—Collection of Thermometers for Dairy and General Use; manufactured by the Exhibitors. Price 1s. to £1 5s. each.

11,449—Collection of Lactometers and Cream Glasses; manufactured by the Exhibitors. Price 1s. 6d. to 10s. 6d.

11,450—Machine-Made Gold-Coated Lactometer; manufactured by the Exhibitors. Price 10s. 6d.

11,451—Collection of Specific Gravity Tests, for Milk Solutions, &c.; manufactured by the Exhibitors. Price 3s. 6d. to £3 3s.

11,452—Draining Levels on Tripod Stands; manufactured by the Exhibitors. Price £3 3s. to £6 6s.

11,453—Field or Farmer's Draining Levels (no Loose Parts); manufactured by the Exhibitors. Price 7s. 6d. and 12s. 6d.

11,454—Collection of Simple and Compound Levels; manufactured by the Exhibitors. Price 1s. to 12s. 6d. Adapted for attachment to rule, or any straight edge; also for draining without use of more expensive instruments.

11,455—Collection of Cattle Gauges (Portable); manufactured by the Exhibitors and Chesterman, of Sheffield. Price 7s. 6d. to £1 1s. Adapted for cattle dealers, farmers, &c., giving the weight by measurement.

11,456—Collection of Horse Measures (Portable); manufactured by the Exhibitors. Price 12s. 6d. to £1 1s.

11,457—Collection of Field Glasses; manufactured by the Exhibitors. Price 5s. 6d. to £5 5s. With range from 3 to 20 miles.

11,458—Steam Gauge; manufactured by the Exhibitors. Price £1 1s. and £1 10s.

11,459—Collection of Seed Microscopes and Magnifying Glasses; manufactured by the Exhibitors. Price 1s. to £1 5s. The pocket seed microscope, with high magnifying power; weight, $\frac{1}{3}$ oz.

11,460—Combined Compass and Sun-Dial; manufactured by the Exhibitors. Price 1s.

11,461—Collection of Compasses, with and without Sun-Dials; manufactured by the Exhibitors. Price 1s. to £1 10s.

11,462—Land-Measuring Machine; manufactured by Johnson, of London. Price £3 8s. Simple and invaluable in measuring fields, roads, &c.

11,463—Collection of American Spanners; manufactured by Marples, of Deep River, Connecticut, U.S.A. Price 2s. 6d. to 12s. Simple, cheap, and very durable.

11,464—A B C Water-Testing Apparatus; manufactured by the Exhibitors only. Price 12s. 6d. Each case contains sufficient solution for over 1000 separate and distinct tests; is named the A B C on account of its extreme simplicity. Any person can by this apparatus ascertain any and what impurity exists, and if such impurities are or are not injurious to health, whether of human beings or animals.

11,465—Speed-Indicator, and Collection of other Scientific Instruments; manufactured by the Exhibitors. Price 7s. 6d. to £1 1s. The speed indicator is very portable, and invaluable to those using either portable engines or machines driven by power.

Stand No. 639.—*Charles Turner and Son, of 7, 8, 9, Broad Street, Bloomsbury, W.C., London.*

Article 11,466—Collection of Specimens of Varnish; manufactured by the Exhibitors. Price from 8s. to £1 per gallon. Specimens of oil and spirit varnish. Suitable for agricultural implement manufacturers, coach painters, paper-stainers, house painters and decorators.

11,467—Collection of Specimens of Dry Colours; manufactured by the Exhibitors. Price from 16s. to £4 per cwt. Specimens of dry colours. Suitable for agricultural implement manufacturers and decorators.

11,468—Collection of Ground Paints in Oil; manufactured by the Exhibitors. Price from 16s. to £3 per cwt. Specimens of ground paints in oil. Suitable for agricultural implement manufacturers, ship-builders, and house painters.

11,469—Collection of Specimens of Paints, Ready Mixed for Use; manufactured by the Exhibitors. Price from £1 16s. to £2 16s. per cwt. Specimens of paints mixed ready for use, for painting internally and externally, in 1-lb., 2-lb., 4-lb., and 7-lb. tins.

Stand No. 640.—*William Nicholls and Co., of Rowden Hill, Chippenham, Wilts.*

Article 11,470—Fluid Extract of Annatto, for Colouring Cheese; manufactured by the Exhibitors. Price £1 per gallon.

Stand No. 641.—*Robert Spear Hudson, of 83, Worship Street, London, E.C.*

Article 11,471—Hudson's Extract of Soap; manufactured by the Exhibitor. Price £30 per ton. Packed in 1-lb., $\frac{1}{2}$ -lb., and $\frac{1}{4}$ -lb. packets; in boxes 14 in. and 28 in. each.

Stand No. 642.—*Edmund King, of Ashley Hall,
Newmarket, Cambridge.*

Article 11,472—Patent Carbolic Dressing, for Seed Corn; manufactured by the Exhibitor. Sold in cans, containing from 1 to 10 gallons, at 3s. 6d. per gallon, inclusive of can.

Stand No. 643.—*Tomlinson and Hayward, of
Lincoln.*

Article 11,473—Assortment of the Various Sizes of the Glycerine Dip; manufactured by the Exhibitors. Price 6d. per pound. It is most efficacious for sheep in the destruction of tick, lice, and all parasites; cure of scab and foot rot, and improving the lustre, growth, and quality of the wool; in killing lice and fleas on cattle, horses, or dogs, and as a general dressing for skin diseases generally.

11,474—Assortment of the Original Luddington's Oil; manufactured by the Exhibitors. Price 2s. 6d., 5s., and 10s. the bottle. During a period of over 80 years this preparation has stood in the estimation of thousands of horse, sheep, and cattle breeders as a safe and speedy remedy for colic-gripes, and colic in horses, diarrhoea in calves, foals, and sheep, also for preventing paining in difficult lambing, foaling, and calving.

11,475—Assortment of Tomlinson and Co.'s Butter Powder; manufactured by the Exhibitors. Price 6d. to 7s. 6d. per box. Brings the butter quickly, removes all unpleasant flavour of turnips, cake, mangolds, wild garlic, dead leaves, &c.; increases the quantity and improves the quality of butter, so that farmers and dairymen may insure good, firm, and sweet butter all the year round.

11,476—Sheep Dipping Apparatus; manufactured by the Exhibitors. Price £5. One of the best adapted for every flock master to have to enable him to dip when and where he likes, without the assistance of any one but a practical shepherd or himself and his ordinary labourers.

Stand No. 644.—*Day, Son, and Hewitt, of 22, Dorset
Street, Baker Street, London, W.*

Article 11,477—"Original" Stockbreeder's Medicine Chest, No. 1; manufactured by the Exhibitors. Price £6 6s. Contains an admirably arranged assortment of all the compounds manufactured by the Exhibitors for diseases in horses, cattle, and sheep, with 'Half-crown Key to Farriery.' Well fitted in polished case.

11,478—"Original" Stockbreeder's Medicine Chest, No. 2; manufactured by the Exhibitors. Price £2 16s. 6d. Contains the Chemical Extract, Gaseous Fluid, Red Drench, Red Paste, Gaseodyne, Alcoholic Ether, &c.; with 'Shilling Key to Farriery.'

11,479—Sample Medicine Chest, No. 3; manufactured by the Exhibitors. Price 16s. 6d. Contains sample quantities of Chemical Extract, Gaseous Fluid, Red Drench, and Red Paste, assorted for a trial.

11,480—Horsekeeper's Medicine Chest, No. 4; manufactured by the Exhibitors. Price £2 17s. 6d. Contains a valuable assortment of medicines suitable for treating the diseases of horses; with 'Half-crown Key to Farriery.'

11,481—Box of "The Chemical Extract;" manufactured by the Exhibitors. Price £1 10s. per doz. Unequalled for mollifying and assuaging pain in all cuts, wounds, sprains, &c.; invaluable for ewes lambing, and for swollen udders and paps in cows and ewes.

11,482—Box of "The Gaseous Fluid;" manufactured by the Exhibitors. Price £1 per doz. The world-renowned remedy for debility and diarrhoea in cattle, calves, sheep, and lambs; for colic and gripes in horses; and an excellent tonic for ewes after a bad lambing.

11,483—Box of "The Red Drench;" manufactured by the Exhibitors. Price 13s. per doz. The pure and celebrated remedy for inflammatory disorders amongst horses, cattle, calves, sheep, lambs, and pigs; also for cleansing and checking feverish symptoms in cows and ewes after calving and lambing.

11,484—Box of "The Black Physic Balls;" manufactured by the Exhibitors. Price 8s. per doz. An invaluable medicine for horses; useful for worms; forms an excellent alterative.

11,485—Box of "The Red Paste Balls;" manufactured by the Exhibitors. Price 7s. 6d. per doz. These balls give wonderful health and strength to horses debilitated and low in condition, producing a mole-like sleekness of coat; unequalled for coughs, colds, chills, &c.

11,486—Box of "The Red Condition Powders;" manufactured by the Exhibitors. Price 7s. 6d. per dozen. The proper remedy for ill-condition in horses and colts; invaluable after a hard day's hunting or driving.

11,487—Bottle of "The Gaseodyne;" manufactured by the Exhibitors. Price 3s. 6d. per bottle. Unsurpassed for parturition in mares, cows, and ewes; to be used as laudanum in spasms, asthma, bronchitis, &c.

11,488—Bottle of "The Balsamic Castor Oil;" manufactured by the Exhibitors. Price 1s. 6d. per bottle. A fine laxative for sheep, calves, and lambs: should be given in cases of diarrhoea or scour before the Gaseous Fluid.

11,489—Bottle of "The Alcoholic Ether;" manufactured by the Exhibitors. Price 2s. 6d. per bottle. Unmatched for colds and shivering fits in horses, cattle, &c.; it excites healthy perspiration.

11,490—Bottle of "The Calomeline;" manufactured by the Exhibitors. Price 2s. 6d. per bottle. A certain cure for yellows or jaundice in horses and cattle; also for hooose and tape worms in sheep, and worms in horses.

11,491—Bottle of "The Carminative Chalk;" manufactured by the Exhibitors. Price 1s. 9d. per bottle. A warm stomachic, and in severe diarrhoea soothes the irritated bowels, and promotes speedy recovery.

11,492—Bottle of "The Aluminate of Borax;" manufactured by the Exhibitors. Price 1s. 6d. per bottle. Dissolved in hot water, makes an excellent healing lotion for the mouth in "foot-and-mouth disease."

11,493—Box of "The Broncholine;" manufactured by the Exhibitors. Price £1 10s. per doz. The most reliable remedy for husk or hooose in cattle, calves, sheep, and lambs.

11,494—Box of "The Blister Ointment;" manufactured by the Exhibitors. Price 4s. per case. Recommended for swellings of the joints and tendons, old strains; also for callous ulcers, fistula, and mallenders.

11,495—Box of "The Aluminate of Zinc Ointment;" manufactured by the Exhibitors. Price 5s. per case. The remedy for diseased feet or loo in cattle, and foot-rot and sore feet in sheep.

Stand No. 644—continued.

11,496—Box of "The Sulphuretted Extract Ointment;" manufactured by the Exhibitors. Price 5s. per case. Most useful in the treatment of scab or shab in sheep, and for mange or itching in horses, cattle, pigs, and dogs; also for fly wounds or maggots in sheep.

11,497—Copy of the 'Half-crown Key to Farriery;' published the Exhibitors. Price 2s. 6d. per copy. Describes the proper mode of treatment of diseases, with index to disorders. Contains many useful hints to stock breeders.

11,498—Copy of the 'Shilling Key to Farriery;' published by the Exhibitors. Price 1s. per copy. A very useful work for farmers.

11,499—(*New Article.*)—Box of "The Kossolian Salt or Blood Salt," manufactured by the Exhibitors. Price 12s. per doz. A medicinal food seasoning salt for horses, cattle, and sheep; for purifying the blood, and keeping animals in health and good condition.

**Stand No. 645.—Henry Down and Co., of
Woburn, Bedfordshire.**

Article 11,500—"Down's Farmer's Friend," a Dressing for Seed Wheat, for the prevention of Smut, ravages of Slugs, &c. Can be supplied carbolised for protecting seed corn from the incursions of rooks, birds, or vermin, and is an effectual dressing for barley, oats, &c. Price 9d. per packet.

**Stand No. 646.—John Milton Jones, of Milton
House, Worcester Street, Gloucester.**

Article 11,501—Gloucestershire Specific for Foot Rot in Sheep; manufactured by the Exhibitor. Price 2s. per bottle. A disinfectant; cures at one dressing; used by the largest flock-masters in the world.

11,502—Composition for Waterproofing, Softening, and Preserving Leather; manufactured by the Exhibitor. Price 1s. and 2s. per box. For agricultural and other harness, boots and shoes, carriage-heads, gig-aprons, mill-bands, engine-hose, and all kinds of leather.

11,503—Chemical Essence or Cure All for all External Diseases in Man or Beast; manufactured by the Exhibitor. Price 1s. 1½d per bottle. For all kinds of cuts, wounds, bruises, strains, rheumatism, &c.

**Stand No. 647.—Thomas Stokoe, M.R.C.V.S., of
the Chemical Works, Hay, Brecon.**

Article 11,504—Stokoe's Sheep Dip; manufactured by the Exhibitor. Price 1s. 4d. each packet. Stokoe's sheep dip, the safest and most effectual article for the destruction of the tick and lice, stopping the attack of the maggot fly, and for preventing and curing the scab in sheep. It also promotes the growth of the wool and produces an improved and healthy condition of the flock.

11,505—Stokoe's Fly Powder; manufactured by the Exhibitor. Price 9d. per packet. Stokoe's fly powder for preventing the fly striking sheep and lambs, and for imparting a rich nutty-brown colour to the fleece.

11,506—Stokoe's Carbolic Seed Dressing; manufactured by the Exhibitor. Price 9d. per packet. Stokoe's carbolic seed dressing prevents smut in wheat and the ravages of rooks, game, vermin and insects. It should be applied to all kinds of seed corn. Preference is given to it for the following reasons: it is non-poisonous and effective; it will not clog the drill; requires no lime, and dries quickly for use.

Stand No. 648.—*Gillard and Co., of Boston, Lincolnshire; and 2, Gresham Buildings, London, E. C.*

Article 11,507—Non-Poisonous Sheep Dip (Gillard's); manufactured by the Exhibitors. Price £50 per ton; subject to trade discount, 5½d. per lb. Destroys tick, lice, acari and all parasites infesting sheep and lambs, preventing and curing scab; prevents the fly striking, and where already struck, kills the maggots and heals the wounds. See Professor Brunford's (H. F. V. M. A. L.) Report on Diseases of Sheep at the Cape.

11,508—Gillard's Lincolnshire Oils; manufactured by the Exhibitors. Price 2s. 6d. and 5s. per bottle. For external and internal use in cases of colic in horses, lambing, calving, and foaling, diarrhoea, &c. The most useful medicine on the farm.

11,509—Gillard's Lincolnshire Foot Rot Ointment; manufactured by the Exhibitors. Price 2s. 6d. per tin. One of the best remedies for the distemper in sheep's feet.

11,510—(*New Implement.*)—Sheep Dresser for Dressing Sheep with Sheep Dip Solution; manufactured by E. Mills for the Exhibitors. Price 15s. 6d. An apparatus for dressing sheep and lambs with sheep dip in solution, saving time, labour and material; very useful where small flocks or individual sheep require dipping or dressing.

Stand No. 649.—*Morris Little and Son, of Doncaster, Yorkshire.*

Article 11,511—Little's Chemical Fluid: the New Non-Poisonous Sheep Dip; manufactured by the Exhibitors. Sold in iron drums and tins at 7s. 6d. per gallon, and in casks of 40 gallons for large consumers. This non-poisonous dip mixes readily with cold water, making double the quantity of dipping liquid made by other compositions; and is superior in convenience and economy. Took all the First Prizes for wool at the last Lincolnshire Show.

11,512—Little's Soluble Phenyle; the New Disinfectant; manufactured by the Exhibitors. Sold in iron drums and tins at 10s. per gallon, and in bottles for medical and domestic use at 1s. and 2s. 6d. This disinfectant is perfectly harmless, and has all the good properties of carbolic acid without its dangers.

Stand No. 650.—*Elliman, Sons and Co., of Slough, Bucks.*

Article 11,513—Ellimans' Royal Embrocation for Horses and Cattle; manufactured by the Exhibitors. Price 2s., 2s. 6d., and 3s. 6d. per bottle.

Stand No. 651.—*Stephen Pettifer, Veterinary Surgeon, of Crudwell, Tetbury, Wilts.*

Article 11,514—Stockbreeder's Medicine Chest, No. 1 ; manufactured by the Exhibitor. Price £5 5s. Contains an admirably arranged assortment of compounds for disease in horses, cattle and sheep.

11,515—Stockbreeder's Chest, No. 2 ; manufactured by the Exhibitor. Price £1 14s. 6d. Contains black mixture, herbal drench, green oils, white liniment specific, foot dressing.

11,516—Horsekeeper's Chest ; manufactured by the Exhibitor. Price £2 13s. Contains a valuable assortment of medicines suitable for treating the diseases of horses.

11,517—Herbal Tonic Medicine ; manufactured by the Exhibitor. Price 5s. per bottle. Unequalled for tapeworm in lambs. It prevents and cures fever and scour. Each bottle contains 40 doses.

11,518—Husk or Hoose Mixture and Powders ; manufactured by the Exhibitor. Prices 5s. per bottle ; powders, 2s. per dozen. An effectual remedy for husk in cattle, calves and lambs.

11,519—Box of Black Mixture ; manufactured by the Exhibitor. Price £1 per dozen. The world renowned remedy for debility and diarrhoea in cattle and sheep ; for colic and gripes in horses and low condition, and for hoven or blown cattle and sheep.

11,520—Herbal Drench ; manufactured by the Exhibitor. Price 10s. per dozen. For chills, colds, yellows and cleansing after calving.

11,521—Vegetable Embrocation ; manufactured by the Exhibitor. Price 5s. per bottle. Unequalled for stopping inflammation ; invaluable for ewes lambing and cows calving.

11,522—White Liniment ; manufactured by the Exhibitor. Price 3s. 6d. per bottle. It disperses all callous and large substances, and for bad sprains, &c.

11,523—Green Oils ; manufactured by the Exhibitor. Price 5s. per bottle. For all kinds of flesh wounds and for humours in cows' and ewes' udders.

11,524—Cough Condition and Physic Balls ; manufactured by the Exhibitor. Price 6s. per dozen. Are effectual remedies for colds, &c., and purifying the blood.

11,525—Condition Powders for Horses ; manufactured by the Exhibitor. Price 7s. 6d. per canister. They restore the digestive organs, strengthen the constitution, and remove all gross and impure humours.

11,526—Foot Dressing ; manufactured by the Exhibitor. Price 3s. 6d. per bottle. For foot rot or foot disease in cattle and sheep.

11,527—Specific ; manufactured by the Exhibitor. Price 3s. 6d. per bottle ; 9s., 18s., and £1 16s. per jar. For scab in sheep ; also for maggots and preventing the fly.

11,528—Sheep-Dipping Composition ; manufactured by the Exhibitor. Price in casks, 10s. and £1 each. An effectual remedy for the destruction of tick, lice, and preventing the fly.

Stand No. 652.—*Day and Sons, of Crewe, Cheshire.*

Article 11,529—The Purified Driffield Oils; manufactured by the Exhibitors. Price £1 10s. per dozen. For all green and inflammatory wounds in horses, cattle, and sheep; for ewes in lambing.

11,530—The Black Drink or Conditioning Draught; manufactured by the Exhibitors. Price 19s. per dozen. For gripes in horses and scour in cattle, calves, sheep, and lambs.

11,531—The Red Drink or Cleansing Drink; manufactured by the Exhibitors. Price 12s. per dozen. For cleansing after calving, yellows, chills, fevers, &c.

11,532—The Horse Powder; manufactured by the Exhibitors. Price 8s. per dozen. For influenza, worms, chills, &c.

11,533—The White Oils; manufactured by the Exhibitors. Price £1 10s. per dozen. For all old wounds in horses and cattle where the skin is not broken, for blistering, &c.

11,534—The Alterative and Diuretic Powders for Horses; manufactured by the Exhibitors. Price 3s. 6d. per dozen. For thick wind, coughs, colds, sluggishness, &c.

11,535—The Ewe Drench or Fever Drink; manufactured by the Exhibitors. Price 3s. 6d. per dozen. For ewes lambing, stops milk fever, also for chills, fevers, &c.

11,536—The Foot-Rot Oils; manufactured by the Exhibitors. Price £1 10s. per dozen.

11,537—The Husk or Hoose Draught; manufactured by the Exhibitors. Price £1 per dozen.

11,538—Flockmaster's Medicine Chest; manufactured by the Exhibitors. Price £5 8s.

11,539—Stockbreeder's Medicine Chest; manufactured by the Exhibitors. Price £4 1s. 6d.

11,540—Dairy Farmer's Medicine Chest; manufactured by the Exhibitors. Price £2 10s. 6d.

11,541—Universal Medicine Chest; manufactured by the Exhibitors. Price £2 4s.

11,542—Sample Medicine Chest; manufactured by the Exhibitors. Price £1 4s.

11,543—Horsekeeper's Medicine Chest; manufactured by the Exhibitors. Price £2 14s.

Stand No. 653.—*Messrs. McDougall Brothers, of 10, Mark Lane, London, E.C.; and Manchester.*

Article 11,544—McDougall's Patent Non-Poisonous Sheep Dip; manufactured by the Exhibitors. Price 6d. per lb. Instantly destroys tick, lice, &c.; is the only true specific for scab, and greatly stimulates the growth of the fleece; ensures perfect safety and efficiency. Also invaluable as a winter protection for sheep. May be used at any time throughout the year.

11,545—McDougall's "Fly" Powder; manufactured by the Exhibitors. Price, in 6d. and 1s. canisters, for 25 and 50 sheep. For use during the season that "fly" is prevalent, after dipping the sheep with

McDougall's sheep dip. This provides an effectual protection from "fly," and imparts a fine "bloom" to the fleece.

11,546—Two Dressed Fleeces. These are Fleeces of sheep which have been dipped with McDougall's patent non-poisonous sheep dip. (*Not for Sale.*)

11,547—McDougall's Patent Carbolate Specific; manufactured by the Exhibitors. Price 3s. 6d. per gallon. For scour, rot in sheep, diarrhoea, and worms, &c., and as an injection after lambing, calving, or foaling. It allays the inflammation and removes the afterbirth.

11,548—McDougall's Patent Farmyard Manure Preserver, Fertilizer, and Disinfectant; manufactured by the Exhibitors. Price £10 per ton. For preserving the health of stock and increasing the value of the farmyard manure.

11,549—McDougall's Patent Turnip Fly Powder and Wire Worm Exterminator; manufactured by the Exhibitors. Price £10 per ton. For protecting the turnip and other crops against the ravages of the "fly" or "flea."

11,550—McDougall's Patent Carbolic Disinfecting Powder; manufactured by the Exhibitors. Price £12 per ton, 12s. 6d. per cwt.; also in 6d. and 1s. canisters. Carbolate of lime and sulphite of magnesia. Recommended by the leading sanitary authorities, and largely used in Her Majesty's service, in the chief hospitals, &c.

11,551—McDougall's Patent Carbolic Soft Soap; manufactured by the Exhibitors. Price £2 5s. per cwt; also in 1s. and 2s. 6d. canisters, and 20-lb. kegs. For horses it is useful in cases of grease; heals broken shoulders, saddle galls, and stable wounds; invaluable for washing the hoofs and legs; prevents thrush; a fine cleansing agent for stables, &c.; destroys insects in cattle and dogs, and makes the skin healthy.

11,552—McDougall's Sugar and Oil Cake; manufactured by the Exhibitors. Present price £9 5s. per ton, delivered. Has the 3 elements most essential for profit,—oil sugar, and albuminous compounds; they are also those which farmers must import. Complete food in itself, or may be mixed with any kind of food. Fully equal to pure English linseed cake. Contains two-thirds of the oil, and nearly 20 per cent. sugar; manurial value is £4 1s.

11,553—McDougall's Patent Corn and Oil Cake; manufactured by the Exhibitors. Present price £8 5s. per ton, delivered. This useful oil cake contains an addition of about one-third corn. It is a capital mixed food, and all animals thrive upon it. It is the richest cake of its special class in the market. The manurial value is £2 16s.

Stand No. 654.—*Corry and Soper, of Shad Thames, London, S.E.*

Article 11,554—Samples of "Long's Non-Poisonous Specific"; manufactured by the Exhibitors. Price reduced to 3s. per gallon. For the cure of scab or shab; for the destruction of tick, lice, and all vermin in every animal, and promoting the growth and quality of wool. Invaluable to sheep farmers and lamb breeders.

11,555—Four Specimen Fleeces Showing the Increased Growth and Value of Wool Resulting from the Use of "Long's Non-Poisonous Specific" over Poisonous Sheep Dressing, which Materially improve the Wool for Manufacturing Purposes. Price £10 each.

11,556—Samples of the “London” Tobacco Juice; manufactured by the Exhibitors. Price 2s. 6d. per gallon. In bond, under regulations approved by Her Majesty’s Government; from American tobacco leaf, and contains 42 ozs. of tobacco to each gallop. A very valuable preparation for general use amongst flocks and herds.

11,557—Samples of “Long’s Maggot and Foot-Rot Lotions”; manufactured by the Exhibitors. Price 1s. and 2s. per bottle. For the destruction of maggots, healing the wounds, and preventing fly striking without loss of wool, and for the cure of foot-rot.

11,558—Samples of Concentrated “Extract of Tobacco”; manufactured by the Exhibitors. Price 6d. per lb., cheaper in bulk. In bond. The whole of the nicotine, or oil of tobacco, is secured, and this extract is highly approved as a dip in itself, or as the basis for dips mixed with other ingredients.

11,559—Samples of “Tobacco Powder”; manufactured by the Exhibitors. Price in canisters, 1s., 2s. 6d., and 4s.; cheaper in bulk. In bond, and consists of best Virginian tobacco, finely ground and mixed with other ingredients of an essential character for dusting upon the hopbine, and plants, for the destruction of vermin, and for preventing the turnip fly.

11,560—Samples of “Nicotine Soap”; manufactured by the Exhibitors. Price 1s. 6d., 3s., 12s. &c. Being a new, cheap, and effectual wash for blight in hops and other plants, without the slightest injury to foliage; 2 ozs. sufficient for a gallon of water.

Stand No. 655.—*Lilwall Brothers, of Worcester.*

Article 11,561—Universal Chemical Embrocation; manufactured by the Exhibitors. Price, quarts, 6s. each. The best remedy for all wounds, strains, cuts, kicks, galls, &c., in horses, sore udders and paps in cows and sheep; stops paining in ewes lambing, and fly galls and sore heads in sheep.

11,562—Scour, Diarrhoea, and Colic or Gripes Mixture; manufactured by the Exhibitors. Price 16s. per dozen. The most effectual cure ever discovered for scour in cattle, calves, sheep, or lambs; colds, chills, colic, or gripes, and general exhaustion in horses, &c.

11,563—Dry Drench or Inflammation Antidote; manufactured by the Exhibitors. Price 10s. per dozen. An invaluable specific for the relief of all inflammatory action in horses, cattle, calves, sheep, lambs, &c., such as colds, chills, influenza, indigestion, surfeits, red water, black water, &c.; as a drench for cows after calving and ewes after lambing, it is invaluable.

11,564—Constitution Powders; manufactured by the Exhibitors. Price, in air-tight canisters, 7s. each. The powders are safe, active, and effectual in their operation, and may be given at all seasons of the year without the slightest danger.

11,565—Husk and Hoose Mixture; manufactured by the Exhibitors. Price, in bottles, 2s. 6d. each. This preparation quickly removes this troublesome and dangerous complaint, whilst it warms, stimulates, and gives fresh action to the stomach, by which digestion is promoted, and the health of the animal is quickly restored.

11,566—Volcanic Fluid, or Splint Curb, Bone Spavin, or Ring-bone Specific; manufactured by the Exhibitors. Price, in bottles, 5s. 6d. each. This fluid possesses wonderfully antiseptic and penetrating properties, and it is to these that it owes its perfect mastery over splints, curbs, ring-bone, and all other bony formations.

11,567—Condition Balls for Horses; manufactured by the Exhibitors. Price 7s. per dozen. These balls effectually remove skin diseases, surfeit, mange, &c., and make the coat fine, smooth, and glossy. They improve the general condition of the horse, and counteract all tendency to grease, swollen legs, &c. They require no alteration in diet, and may be given safely at all seasons.

11,568—Diuretic, or Water Balls; manufactured by the Exhibitors. Price 3s. 6d. per dozen. These balls are invaluable for carrying off and cleansing the kidneys from stone, gravel, and all unhealthy secretions by which the urinary organs are liable to be affected.

11,569—Foot-Rot or Halt Mixture; manufactured by the Exhibitors. Price 3s. each. This painful disease induces inflammation and acute suffering, and sometimes permanent injury to the bone. This mixture has been repeatedly the means of effecting a complete and rapid cure after all the usual methods of treatment had failed.

11,570—Purging, or Physic and Worm Balls; manufactured by the Exhibitors. Price 7s. 6d. per dozen. These balls are safe and mild, but will be found very efficacious.

11,571—"Condiment;" manufactured by the Exhibitors. Price in cwt. bags, £1 8s. The analysis of this condiment proves its great value as a feeding meal, containing as it does upwards of 70 per cent. of nutritious and easily-digested constituents. It increases the flow of milk, and is easily digested by young stock. The spices and aromatics will also enable other food to be more easily assimilated.

11,572—Farmer's "Friend in Need" Medicine Chest; manufactured by the Exhibitors. Price £3 3s. Contains an assortment of all the above preparations.

11,573—Farmer's "Friend in Need" Medicine Chest; manufactured by the Exhibitors. Price £1 16s. 6d. Contains a smaller assortment of the above preparations.

Stand No. 656.—*Thomas Neale and Sons, of the Veterinary Chemical Works, Sherston Magna, Wilts; Corsham Wilts; and 12, Redhill Street, Regent's Park, London, N.W.*

Article 11,574—The "Original" Complete Stock-Breeder's Medicine Chest No. 1.; invented and manufactured by the Exhibitors. Contains an admirably arranged assortment of all the compounds manufactured by the Exhibitors for diseases in horses, cattle, and sheep, with every instruction for use. Price £6 6s.

11,575—The "Original" Stock-Breeder's Medicine Chest, No. 2; manufactured by the Exhibitors. Price £3 3s.

11,576—Sample Stock-Breeder's Medicine Chest, No. 3; manufactured by the Exhibitors. Price £1 5s.

11,577—The "Original" Complete Horse-Keeper's Medicine Chest, No. 1; manufactured by the Exhibitors. Contains a valuable assortment of the chemical compounds manufactured by the Exhibitors, specially selected as remedies for the various ailments incidental to horses, with every instruction for use. Price £6 6s.

11,578—"Original" Horse-Keeper's Medicine Chest, No. 2; manufactured by the Exhibitors. Price £3 3s.

11,579—Sample Horse-Keeper's Medicine Chest, No. 3; manufactured by the Exhibitors. Price £1 5s.

11,580—"The Red Cordial Drench;" manufactured by the Exhibitors. The pure and celebrated remedy for inflammatory disorders among horses, cattle, calves, sheep, lambs and pigs; also for cleansing and checking feverish symptoms in cows and ewes after calving or lambing. Price 13s. per dozen, in boxes.

11,581—"The Gaseotic Fluid;" manufactured by the Exhibitors. Stops internal pain, colic, scour or diarrhoea, debility, colds, shivering fits, and great exhaustion in horses, cattle, calves, sheep and lambs, imparting rare strength, vigour, and appetite. Price £1 per dozen, in boxes.

11,582—"The Quarter Evil Drench;" manufactured by the Exhibitors. A well-tried remedy as a preventive against black quarter or black leg, splenic apoplexy, &c., among cattle and calves. Price 16s. per dozen, in boxes.

11,583—"The Neverfailing Gaseous Drink;" manufactured by the Exhibitors. The world-renowned remedy for fret, colic, and gripes in horses and cattle. Price £1 5s. per dozen, in boxes.

11,584—"The Anti-flatulent Drink;" manufactured by the Exhibitors. An instantaneous remedy for hoven or blown cattle and sheep. Price £1 per dozen, in boxes.

11,585—"The Gaseous Soothing Cordial;" manufactured by the Exhibitors. Unsurpassed for parturition in mares, cows, and ewes; also for asthma, spasms, bronchitis, influenza, &c. Price £2 per dozen, in boxes.

11,586—"The Tonic Mixture;" manufactured by the Exhibitors. Unmatched in the known world for curing fever, scour, or diarrhoea, dysentery, and debility in cattle, calves, sheep, and lambs. It is the only safe medicine known for destroying tapeworm and all other kinds of worms in lambs. Price £1 10s. and £3 per dozen, in boxes.

11,587—"The Chemical Fluid;" manufactured by the Exhibitors. The most reliable remedy for husk, hoose, or cough in cattle, calves, sheep, and lambs. Price £2 8s. per dozen, in boxes.

11,588—"The Red Alterative Condition or Inflammation Balls;" manufactured by the Exhibitors. Unequalled for coughs, colds, chills, &c., in horses and colts. Price 7s. per dozen, in cases.

11,589—"The Black Physic Balls;" manufactured by the Exhibitors. Effectually eradicates every species of worms in horses; also forms an excellent alterative. Price 8s. per dozen, in cases.

11,590—"The Alterative Condition Powders;" manufactured by the Exhibitors. The proper remedy for ill-condition in horses and neat cattle. Price 9s. and 12s. per dozen, in boxes.

11,591—"The Compound Tonic Thriving Powders;" manufactured by the Exhibitors. Unmatched for pigs in debility, want of appetite and condition, loss of milk, pleuro-pneumonia, foot and mouth disease, &c. Price 12s. per dozen, in boxes.

11,592—"The Balsamic Castor Oil;" manufactured by the Exhibitors. A fine laxative for sheep, calves, and lambs. Price £1 10s. per dozen, in boxes.

11,593—"The White Chemical Essence;" manufactured by the Exhibitors. Unequalled for mollifying and assuaging pain in all cuts, wounds, sprains, &c.; unsurpassable for ewes lambing, being the antidote of pain, inflammation, and gangrene. Price £1 16s. per dozen, in boxes.

11,594—"The Brown Chemical Essence;" manufactured by the Exhibitors. For strains, bruises, cracked heels, tumours, hard swellings, &c.; also for swollen or broken udders, sore paps, foul or loo in the feet, &c. Price £1 16s. per dozen, in boxes.

11,595—"The Crown Embrocation;" manufactured by the Exhibitors. A certain cure for sprains, curbs, splints, sprung sinews, over-reaches, broken knees, lameness, &c., in horses and cattle. Price £1 16s. per dozen, in boxes.

11,596—"The Liquor Epispasticus or Blistering Liquid;" manufactured by the Exhibitors. Highly recommended for old strains, enlargement of the joints or tendons; also for callous ulcers, fistula, and mallenders. Price 3s. 6d. per bottle.

11,597—"The Golden Lotion;" manufactured by the Exhibitors. An instantaneous and never-failing cure for mange, scab, and other cutaneous diseases in horses, cattle, sheep, pigs and dogs. Price £1 10s. and £3 per dozen.

11,598—"The Noted Foot-Rot Mixture;" manufactured by the Exhibitors. Stands unequalled for the immediate relief and cure of foot-rot and lameness in sheep, cattle, &c., and thrush in horses' feet. Price 16s. per dozen, in boxes.

11,599—"Celebrated Sheep-Dipping Composition;" manufactured by the Exhibitors. Totally prevents the attack of maggot-fly, destroys all tick and lice, and materially increases the growth of the wool. Price, in 1-gallon and 2-gallon tins, 8s. and 16s. each. The average quantity to dip 100 or 200 sheep and lambs.

11,600—The "Original" Dog Medicine Chest; invented and manufactured by the Exhibitors. Contains an admirably arranged assortment of all our noted canine remedies, with full directions for treatment, diet, &c., in all diseases; also lancet, seton needle, scissors, &c. Price £1 10s. complete.

Stand No. 657.—*B. C. Tipper and Son, M.R.C.V.S., of Balsall Heath, Birmingham.*

Article 11,601—Tipper's Medicated Mystery for Horses, Cows, Pigs, Sheep, and Poultry; manufactured by the Exhibitors. Price £1 4s. per canister.

11,602—Tipper's Arabian Round-Feeding Oil Cakes; manufactured by the Exhibitors. Price £9 10s. per ton.

11,603—Tipper's Dog (Meat) Biscuits; manufactured by the Exhibitors. Price £1 per cwt.

11,604—Tipper's Bread and Meat Crumbs for Poultry and Game; manufactured by the Exhibitors. Price £1 1s. per cwt.

Stand No. 658.—*Voitellier, of Mantes (Seine-et-Oise), France.*

Article 11,605—Artificial Incubator (various sizes); manufactured by the Exhibitor. Price £2 to £6.

11,606—Drying Apparatus; manufactured by the Exhibitor. Price £1 to £2.

11,607—Artificial Mother; manufactured by the Exhibitor. Price £1 4s. to £3.

11,608—Collection of Fowl-Yard Appliances; manufactured by the Exhibitor. Price 9½d. to £1 4s. each.

11,609—Ovoscope for Inspecting the Eggs; manufactured by the Exhibitor. Price 4s.

Stand No. 659.—*Roullier and Arnoult, of Gambais, Versailles (Seine-et-Oise), France.*

Article 11,610—Artificial Incubator, No. 3, for 100 Eggs; manufactured by the Exhibitors. Price £6 without packing. Artificial incubator or "hydro-incubator," with dryer. This apparatus will hatch all kinds of eggs. For trial at Paris Exhibition, 1878.

11,611—Artificial Incubator, No. 4, for 50 Eggs; manufactured by the Exhibitors. Price £4 8s. without packing. Same details as Article No. 11,612. For trial at Paris Exhibition, 1878.

11,612—Glazed Rearing Apparatus for 100 to 150 Chickens; manufactured by the Exhibitors. Price £5 4s. without packing. This apparatus is applicable for the rearing of all kinds of poultry and game out of doors without other shelter. For trial at Paris Exhibition, 1878.

11,613—Rearing Apparatus, or "Hydro-Mother," for Poultry; manufactured by the Exhibitors. Price £2 16s. to £3 12s. without packing. Special rearing apparatus for poultry. For trial at Paris Exhibition, 1878.

11,614—Lamp, known as "L'Indiscrète" (The Inquisitive); manufactured by the Exhibitors. Price 16s. For distinguishing the eggs that have fecundated from those that have not. For trial at Paris Exhibition, 1878.

11,615—Poultry Fattener; manufactured by the Exhibitors. Price £4 without packing. This apparatus will fatten an unlimited number of fowls; may be used without previous instruction.

11,616—Collection of Appliances for Poultry Breeding; manufactured by the Exhibitors. Price various. Food and water vessels, troughs, sieves, &c.

Stand No. 660.—*The Marquis of Riscal, of Estremadura, Spain. Agent, M. Pourian, 4, Rue Beuret, Vaugirard, Paris.*

Article 11,617—Collection of Dry Extracts of Green Oak; manufactured by A. Pourian, engineer, of Paris. Price £5 to £5 18s. 6d. per cwt. Raw materials from the estate of the Marquis of Riscal, of Guadaloupe and Olia Caceres, Spain.

11,618—Collection of Leathers and Skins Tanned with above; manufactured by M. Dervieux, director of the Tan Works of M. Arthus, of Arcueil (Seine). Price variable.

Stand No. 661.—*M. Simon Legrand, of Bersée, par Pont à Marcq, of Nord, France.*

Article 11,619—Various Samples of Wheat in Sheaves and in the Grain.

11,620—Various Samples of Oats in Sheaves and in the Grain.

11,621—Various Samples of Beetroot on Stalk and in the Seed.

11,622—Seed-Bearing Beetroot; Varieties obtained by Analysis and Selection. A laboratory is established in connection with this property for the analysis of the beet adapted for reproducing; also for the analysis of feeding stuffs consumed on the property, for manures; and for analysing the soil before and after each crop.

11,623—Samples of Hemp.

11,624—Samples of Flax.

11,625—Samples of Horse Beans.

Stand No. 662.—*The Société Concessionnaire de la Voirie, Municipale de Paris (Bondy Sewage Works); offices, 15, Place Vendôme, Paris.*

Article 11,626—Sewage Products, known as “Eaux-Vannes.” These samples of sewage represent the condition in which they are taken from the Paris closets.

11,627—Sulphate of Ammonia. Price, Paris Market on the 18th April, 1879, 18s. 4½d. per cwt. Produced after the distillation of the above “Eaux-Vannes” clarified, the greater portion of the matter in suspension being removed, 20 to 21 per cent. of azotized matter guaranteed.

11,628—Samples of Bondy Ammoniacal Salts. Price 12s. per cwt. Produced by the evaporation of the above “Eaux-Vannes” after having been decanted. Moisture about 7 to 10 per cent.; azotic matter: ammoniacal, 9 per cent.; organic, 1 per cent.; assimilable phosphoric acid, 2½ per cent.; potash, 5 to 5½ per cent.

11,629—Sulphuric Mud, Dried by a Mechanical Process. Price 7s. 2½d. per cwt. This manure is obtained from the residue or dregs of the above “Eaux-Vannes,” after being decanted. Moisture about 10 per cent. azotic matter: ammoniacal, 4 per cent.; organic, 2 per cent.; phosphoric acid, 3 per cent.; potash, 2½ per cent.

11,630—Organic Manure. Price 5s. 5d. per cwt., delivered in sacks, not returnable, of 2 cwt. on rails at Bourget Station. This manure is obtained from the solid portion of the excremental matter. Moisture about 10 or 12 per cent.; azotic matter: ammoniacal, 1½ per cent.; organic, 3½ per cent.; phosphoric acid, 6 to 6½ per cent.

Stand No. 663.—*C. Amelin, of 27, Rue de Viarmes, Paris.*

Article 11,631—Collection of Silk Gauzes for Bolters, for Producing the Finest Flour; manufactured by the Exhibitor. Price from 2s. to 12s., the metre (39 in.), according to width and quality.

11,632—Collection of Cocoons, Silk, &c.; manufactured by the Exhibitor. Price, according to markets.

Stand No. 664.—*A. Engström, 13, Faubourg Poissonnière, Paris.*

Article 11,633—Electrical Apparatus for Controlling Unmanageable Horses; manufactured by the Exhibitor. Price £6. This new apparatus is for controlling horses reputed to be unmanageable, and for enabling the operator to shoe, singe, or harness them. It also prevents the animal from getting the bit in his teeth.

11,634—New Electrical Apparatus for Preventing Horses from Biting their Cribs; manufactured by the Exhibitor. Price £6. This instrument is for preventing horses from biting their cribs, by placing it on the jaw.

11,635—Ball Joint and Cart. Price £2 per pair. This ball joint is for instantly unharnessing a horse.

Stand No. 665.—*A. W. Friestedt, of Stockholm, Sweden.*

Article 11,636—Flask Containing Meal of Steam Prepared Bones for Feed; manufactured by the Exhibitor. Price £13 per ton. Price to be quoted free on board at Stockholm, and including bags. This article to be used as preservative for cariosity of cattle. (*For Trial.*)

11,637—Flask Containing Meal of Steam Prepared Bones, for Agriculture; manufactured by the Exhibitor. Price £9 10s. per ton. Price to be quoted free on board at Stockholm, and including bags. This manufacture contains, according to the analysis, 24 per cent. acid of phosphorus (PO^5), 4.4 per cent. nitrogen (N). (*For Trial.*)

11,638—Flask Containing Superphosphate of Bones, for Agriculture; manufactured by the Exhibitor. Price £9 10s. per ton. Price to be quoted free on board at Stockholm, and including bags. This manufacture contains, according to analysis, 21 per cent. acid of phosphorus (PO^5), 1.6 per cent. nitrogen (N). (*For Trial.*)

**GREENHOUSES AND OTHER ARTICLES,
NOT UNDER SHEDDING.**

Stand No. 666.—*Thornewill and Warham, of Burton-on-Trent.*

For particulars of entry, see Stand No. 494 in Machinery in Motion Sheds.

Stand No. 677.—*M. E. and E. Horley, of Toddington, Dunstable, Bedfordshire.*

Article 11,639—Patent "Premier" Greenhouse, 12 Ft. Long by 9 Ft. Wide; manufactured by the Exhibitors. Price £21. Portable wood basement and internal fittings complete.

11,640—Patent "Paragon" Greenhouse, 8 Ft. Long by 6 Ft. Wide; manufactured by the Exhibitors. Price £10. Complete as above.

11,641—Patent "Economic" Garden Frame, No. 3 B, with 2 Flaps; manufactured by the Exhibitors. Price £1 13s. 6d.

Stand No. 668.—*Messrs. Rosser and Russell, of
22, Charing Cross, London, W.C.*

Article 11,642—Amateur Lean-To Greenhouse, Size 10 Ft. by 5 Ft.; manufactured by the Exhibitors. Price £7 10s. These houses are made of best dry yellow deal; front lights hung to open, sash ventilator in roof, door at one end, plant stage, iron gutter and zinc down pipe, 15 oz. glass cut to sizes, painted one coat, fitted and marked for erection.

11,643—Hot-Water Heating Apparatus, Suitable for Amateur Greenhouse; manufactured by the Exhibitors. Price £5 10s. This apparatus consists of a boiler heated by gas or mineral oil, and 8 rows of 3-in. hot water pipes, syphon end, pipe stands, feed cistern, india-rubber rings, &c., complete. Can be put together without the aid of skilled labour.

Stand No. 669.—*F. Rosher and Co., of King's
Road, Chelsea, London, S.W.*

Article 11,644—Rustic-Wood Summer House; manufactured by the Exhibitors. Price £30.

11,645—Rustic-Wood Summer House; manufactured by the Exhibitors. Price £18.

11,646—Rustic-Wood Pigeon House; manufactured by the Exhibitors. Price £7 7s.

Stand No. 670.—*William Edgeumbe Rendle, of
3, Westminster Chambers, Victoria Street, London, S.W.*

Article 11,647—Specimen of Rendle's Patent System of Glass Roofing; manufactured by the Exhibitor. Price from 1s. to 1s. 6d. per square foot, according to quantity required and quality of the glass. This system is now adopted by Her Majesty's Government, and all the leading railway companies. Specially adapted and in constant demand for railway stations, winter gardens, exhibition buildings, aquariums, picture galleries, museums, &c.

11,648—Specimen of Rendle's Patent "Combination" System of Glass Roofing; manufactured by the Exhibitor. Price 1s. 3d. to 1s. 9d. per square foot, according to quantity required and quality of the glass. This system is specially adapted for very flat or exposed roofs, and for billiard rooms, picture galleries, museums, exhibition buildings, &c.

Stand No. 671.—*Nathan Hunt, Alma Road, Clifton,
Bristol.*

Article 11,649—Span-Roof Greenhouse; manufactured by E. C. Howell & Son, of North Street, Bristol. Price £75. Tenant's moveable greenhouse, size 20 ft. by 15 ft. Stop-chamfered framing to ends and sides, V-jointed

boarding below sills, with door at each end, span roof with raised lantern, fitted with Hunt's patent automatic ventilator.

11,650—Lean-to Greenhouse (Moveable); manufactured by E. C. Howell & Son. Price £28. Size 12 ft. by 8 ft. One door at end; raised lap roof, fitted with Hunt's patent automatic ventilator.

Stand No. 672.—*Cranston and Luck, of Highgate Street, Birmingham.*

Article 11,651—Patent Conservatory, with Span Roof; manufactured by the Exhibitors. Price £60. Size 25 ft. by 14 ft. Glazing perfectly dry without putty, and thorough ventilation without opening the lights.

11,652—Patent Greenhouse (Lean-To); manufactured by the Exhibitors. Price £28. Size 14 ft. by 7½ ft., glazing, &c., same as above.

11,653—Specimen of Patent Sliding Wall Shield, for Protection of Wall Fruit from Frosts; manufactured by the Exhibitors. Price 13s. per foot lineal for 8-ft. lights.

Stand No. 673.—*Messrs. Beckett Brothers, of Chelmsford, Essex.*

Article 11,654—Conservatory, 20 Ft. Long, by 14 Ft. Wide, with Wood Base, requiring no Brickwork; manufactured by the Exhibitors. Price £95.

11,655—Model Conservatory; manufactured by the Exhibitors.

11,656—Span-Roof Green House, Tenant's Fixture, 8 Ft. Long by 6 Ft. Wide; manufactured by the Exhibitors. Price £11 5s.

11,657—Span-Roof Plant Preserver, 8 Ft. Long by 4 Ft. Wide; manufactured by the Exhibitors. Price £3 10s.

11,658—2-Light Melon Frame, 8 Ft. Long, by 6 Ft. Wide; manufactured by the Exhibitors. Price £2 10s.

11,659—(*New Article*)—4-In. Patent Hot-Water H Pipe, with 3 Valves; manufactured by the Exhibitors. Price £2 10s.

11,660—(*New Article*)—3-In. Patent Hot-Water H Pipe, with 2 Valves; manufactured by the Exhibitors. Price £1 15s.

11,661—(*New Article*)—2-In. Patent Hot-Water H Pipe, with 1 Valve; manufactured by the Exhibitors. Price £1 5s.

11,662—(*New Article*)—4-In. Patent Portable Double-Socket Throttle Valve; manufactured by the Exhibitors. Price 14s.

11,663—(*New Article*)—2-In. Patent Portable Single-Socket Throttle Valve; manufactured by the Exhibitors. Price 10s.

11,664—Improved Hot Water Boiler; manufactured by the Exhibitors. Price £7 10s.

Stand No. 674.—*Reynolds and Co., of 57, New Compton Street, London, W.C.*

Article 11,665—Ornamental Wire Rose Temple; manufactured by the Exhibitors. Price £25.

11,666—Fowls' House and Wire Run; manufactured by the Exhibitors. Price £50.

Stand No. 675.—*W. Richardson and Co., of the North of England Horticultural Works, Darlington, Durham.*

Article 11,667—Span-Roofed Greenhouse 30 Ft. by 18 Ft., with Patented System of Ventilation; manufactured by the Exhibitors. Price £100.

11,668—Half-Span Vinery-40 Ft. by 16 Ft., with Patented System of Ventilation; manufactured by the Exhibitors. Price £95.

11,669—Portable Glass Wall-Tree Protector, 30 Ft. by 2 Ft.; manufactured by the Exhibitors. Price £2 15s.

11,670—Sundry Models of Richardson's Patent Horticultural Buildings; manufactured by the Exhibitors. (*Not for Sale.*)

11,671—Patent Hooded Tubular Boiler, for 1,300 Ft. 4-In. Piping; manufactured by the Exhibitors. Price £18.

11,672—Tubular Saddle Boiler for 275 Ft. 4 In.-Piping; manufactured by the Exhibitors. Price £2 15s.

11,673—Tubular Saddle Boiler with Water Bars, for 690 Ft. 4-In. Piping; manufactured by the Exhibitors. Price £7.

11,674—Upright Tubular Boiler, for 450 Ft. 4-In. Piping; manufactured by the Exhibitors. Price £4 10s.

11,675—"Argyle" Patent Saddle Boiler, for 1,100 Ft. 4-In. Piping; manufactured by Hartley and Sugden, of Halifax. Price £13 10s.

11,676—Independent Dome Top Boiler, for 600 Ft. 4-In. Piping; manufactured by Hartley and Sugden. Price £11.

11,677—Independent "Star" Boiler, for 100 Ft. 4-In. Piping; manufactured by Hartley and Sugden. Price £2 8s.

11,678—Independent "Star" Boiler, for 150 Ft. 4-In. Piping; manufactured by Hartley and Sugden. Price £3 12s.

11,679—4-In. Screw Slide Hot Water Valve; manufactured by Hartley and Sugden. Price £1 8s.

11,680—4-In. Hot Water Throttle Valve; manufactured by the Exhibitors. Price 13s.

Stand No. 676.—*William Parham, of Northgate Works, Bath, and 280, Oxford Street, London, W.*

Article 11,681—Specimen Conservatory Showing W. Parham's Patent System of Glazing without Putty, with Lapped Glass on Patent Channelled Rafters, with Cover Plates, Springs, &c., and Fitted with his improved Rain Excluding Ventilation; manufactured by the Exhibitor. Price according to dimensions required.

11,682—Parham's Patent Glazed New Economic Open Roof Orchard House, with Opening Top and Front Sashes; the Front Sashes removable for use for Forcing Pits when not required for Protecting Fruit Trees. Price according to width and height required.

11,683—Parham's Patent Glazed New Economic Glass Casing for Fruit Walls, similar in arrangement to the Orchard House above. Price according to height of walls and projection required.

11,684—Specimen of W. Parham's Patent Glass Wall Copping, 2 Ft. Wide; Fitted with Rods for Front Curtains. Price 2s. 6d. per foot run.

11,685—Specimen of W. Parham's Patent Glass Wall Copping, 3 Ft. Wide; Fitted with Rods for Front Curtains. Price 3s. 9d. per foot run.

11,686—Specimen of W. Parham's Patent Glazed Melon or Cucumber Frame, 6 Ft. by 4 Ft. With Wooden Sides and one Light. Price £2 2s.

11,687—Specimen of W. Parham's Patent Glazed Melon or Cucumber Frame, 8 Ft. by 6 Ft. With two Lights. Price £3 12s.

11,688—Specimen of W. Parham's Patent Glazed and Registered Acme Plant Preserver, 6 Ft. by 3 Ft. With truss hinge and angle-iron corners; the interior free from all obstruction. Price £2 7s. 6d.

11,689—Specimen of W. Parham's Patent Glazed and Registered Acme Plant Preserver, 6 Ft. by 4 Ft. Price £3.

11,690—Parham's New Registered Self-Straining and Self-Fixing Lawn Tennis Pole in Varnished Wood, with Iron Stays and Ratchet. Price 15s. per pair.

11,691—Parham's New Registered Self-Straining and Self-Fixing Lawn Tennis Pole, in Tubular Iron. Price £1 1s. per pair.

11,692—Specimen of W. Parham's New Economic Anti-Corrimony Strained Wire Fence, for Fencing off Downs and other Lands for Sheep and Cattle, as supplied on the Estate of the Most Noble the Marquis of Bath. 3 ft. high, with six solid wires, flat iron standards 9 ft. apart, stiffening standards of T iron with iron stays, bases 29 yards apart, and six wrought-iron ratchet straining posts with iron bases to the mile. Price £52 per mile.

11,693—Similar Fence, with Tubular instead of Flat Standards at every 9 Ft. Price £58 per mile.

Stand No. 677.—*T. H. P. Dennis and Co., of Chelmsford, Essex.*

Article 11,694—Ornamental Octagon Conservatory, 16 Ft. across; manufactured by the Exhibitors. Price £150.

11,695—Cheap Lean-to Greenhouse; manufactured by the Exhibitors. Price £26 16s. 20 ft. long by 10 ft. wide, painted two coats, 21 oz. glass; delivered free.

11,696—Best Lean-to Greenhouse; manufactured by the Exhibitors. Price £60 18s. 6d. 24 ft. long by 12 ft. wide, with partition, glazed, 21 oz. glass, and painted three coats; delivered free.

11,697—Picturesque Summer House; manufactured by the Exhibitors. Price £12. 5 ft. by 5 ft., with corrugated iron roof.

11,698—Picturesque Summer House; manufactured by the Exhibitors. Price £17. 7 ft. by 5 ft., with corrugated iron roof.

11,699—Picturesque Summer House; manufactured by the Exhibitors. Price £33. 8 ft. by 5 ft., with red-tiled roof.

11,700—Picturesque Summer House; manufactured by the Exhibitors. Price £37 10s. Octagon shape, 7 ft. diameter, with red-tiled roof.

11,701—Melon Frame; manufactured by the Exhibitors. Price £2 15s. 8 ft. by 6 ft.; 2 lights, and portable sides.

11,702—Specimen of River's New Registered Wall-tree Cover; manufactured by the Exhibitors. Price 12s. 6d. per foot run.

11,703—7 Patent Hot-Water Boilers; manufactured by the Exhibitors. Price £4 4s. to £16.

11,704—Patent Water Waste Preventer; manufactured by the Exhibitors. Price £1 3s.

11,705—Assortment of 20 Cast-Iron Water-Main and Hot-Water Pipes and Fittings; manufactured by the Stanton Iron Works Company, of Stanton Iron Works, near Nottingham. Price £5 5s. per ton for water main-pipes, and 1s. 6d., 2s. 1d., and 2s. 8d. per yard for 2-in., 3-in., and 4-in. hot-water pipes.

11,706—Assortment of 22 Patent Full-Way High-Pressure Valves; manufactured by the Exhibitors. Price 6s. to £9 15s. Suitable for steam, gas, hot or cold water, hydraulic work, domestic use, chemical works, portable, marine, locomotive, and torpedo launch engines, hydrants, and fire cocks.

11,707—(*New Implement.*)—2 Set Patent Bath Cocks, with New-Registered Adjustable Spindle; manufactured by the Exhibitors. Price £3 1s., and £3 17s. 6d. per set. This spindle is applicable to ordinary bath-cocks, and can be permanently fixed in a few minutes.

11,708—6 Throttle Valves; manufactured by the Exhibitors. Price 2 in., 10s. 6d.; 3 in., 12s. 6d.; 4 in. 16s. each.

11,709—The "Wilson" Patent Plant Raft; invented by G. F. Wilson, Esq.; F.R.S., F.R.H.S., and manufactured by the Exhibitors. Price £6 10s. For the cultivation of marsh-plant on ornamental waters.

11,710—Specimen of Peach House; manufactured by the Exhibitors. Price £1 5s. per foot run.

11,711—Amateur's Greenhouse; manufactured by the Exhibitors. Price £6. Wood front and ends, £2 5s. extra; wood staging, £1 2s. 6d. extra.

11,712—3 New Patent Plant Frames; manufactured by the Exhibitors. Price £1 7s. 6d. per 5 ft. length; ends, 7s. per pair extra; width, 2 ft. 6 in.

11,713—(*New Implement.*)—3 New Patent Plant Frames; manufactured by the Exhibitors. Price £1 15s. per 5 ft. length; ends, 9s. per pair extra; width, 4 ft.

11,714—(*New Implement.*)—Bijou Greenhouse (Patent); manufactured by the Exhibitors. Price £9 10s. for length of 11 ft. 6 in. complete, with ends; 6 ft. lengths, £4 5s. each extra; width, 6 ft.

11,715—(*New Implement.*)—Patent Bijou Greenhouse; manufactured by the Exhibitors. Price £12 13s. for length of 11 ft. 6 in. complete, with ends; 6 ft. lengths, £5 10s. each extra; width, 8 ft.

11,716—9 Galvanized Metal Hand Lights; manufactured by the Exhibitors. Prices from 5s. 6d. to 12s. 6d. each.

Stand No. 678.—*Priestman Brothers, of Holderness Foundry, Hull.*

Article 11,717—Patent Steam Crane, with Self-Acting Bucket; manufactured by the Exhibitors. Price £553. For filling and discharging seed, sand, shingle, coal, coke, clay, &c., without manual labour.

Stand No. 679.—*Henry Yorath, of 2, Windsor Place, Cardiff, Glamorganshire.*

Article 11,718—Patent Fork Elevator; manufactured by the Exhibitor. Price £12 10s. For raising hay, corn, or straw to the stack off a load on the ground, by horse power, requiring only in addition a set of leading harness.

Stand No. 680.—*G. E. Pritchett, F.S.A., Architect, of Oak Hall, Bishop's Stortford, Herts.*

Article 11,719—Specimen of Walling of Hollow-Ware; manufactured by the Exhibitor. Price same as brickwork. New patent construction.

11,720—Specimen of Angle formed in Hollow-Ware; manufactured by the Exhibitor. Price same as brickwork. New patent construction.

11,721—Specimen of Partitions formed with Hollow-Ware; manufactured by the Exhibitor. Price same as brickwork. New patent construction.

11,722—Specimen of Walling, filled in with Concrete; manufactured by the Exhibitor. Price same as brickwork. New patent construction.

11,723—Specimen of Walling faced with Rubble; manufactured by the Exhibitor. Price same as brickwork. New patent construction.

11,724—Specimen of Casing for Damp Walls; manufactured by the Exhibitor. Price same as brickwork. New patent construction.

11,725—Specimen of Hollow Flooring; manufactured by the Exhibitor. Price same as brick paving. New patent construction.

11,726—Specimen of Indented Pipes used in Construction; manufactured by the Exhibitor. Not sold separately. New patent pipes.

11,727—Specimen of Flanged Pipes used in Construction; manufactured by the Exhibitor. Not sold separately. New patent pipes.

11,728—Specimen of Improved Pipes used in Construction; manufactured by the Exhibitor. Not sold separately. New patent pipes.

11,729—Refrigerating Chest; manufactured by the Exhibitor. Price £10. New patent chest.

11,780—Specimen of Blocks for Chest used in Formation of Chest; manufactured by the Exhibitor. Not sold separately. New blocks of patent construction for refrigerators.

Stand No. 681.—*J. G. Pinfold, of St. Mark's Road, Easton, Bristol.*

Article 11,731—Various Patterns of Ridges; manufactured by the Exhibitor. Price 6s. per dozen.

11,732—Various Double and Single Roman Roofing Tiles; manufactured by the Exhibitor. Price £6 10s. per thousand.

11,733—Pantiles, Various; manufactured by the Exhibitor. Price £3 10s. per thousand.

11,734—Various Sizes of Socket Draining Pipes, from 3 In. to 6 In. Diameter; manufactured by the Exhibitor. Price £3 per thousand.

11,735—Various Sizes of Arch or Culvert Bricks ; manufactured by the Exhibitor. Price from £1 15s. to £3 per thousand.

11,736—Various Patterns of Plain Tiles ; manufactured by the Exhibitor. Price £2 10s. per thousand.

11,737—Various Sizes and Sections of Drain Pipes, from 2 In. to 6 in. Diameter ; manufactured by the Exhibitor. Price from £1 4s. to £5 per thousand.

11,738—Various Kinds of Ornamental Bricks ; manufactured by the Exhibitor. Price £2 per thousand.

11,739—Various Kinds of Flooring Squares ; manufactured by the Exhibitor. Price £10 per thousand.

11,740—Ventilating Ridges, Various Patterns ; manufactured by the Exhibitor. Price 10s. per dozen.

11,741—Improved Roofing Tile ; invented and manufactured by the Exhibitor. Price £9 per thousand. This new covering being perfectly wind tight, is far superior to any other kind of tile yet invented, and interlocking in an improved manner, snow cannot drift under, while its cheapness renders it specially suitable for farm purposes.

11,742—Improved Roofing Tile ; invented and manufactured by the Exhibitor. Price £7. This is on the same principle as the preceding but smaller, and can be made of different designs to suit the various kinds of architecture.

11,743—Various Kinds of Ridges ; invented and manufactured by the Exhibitor. Price 8s. per dozen. Made to suit the above named tiles, and being also interlocking are far superior to the ordinary ridges.

Stand No. 682.—*H. J. and C. Major, of the Patent Tile Works, Bridgwater, Somerset.*

Article 11,744—Patent Angularly-Corrugated Roofing Tiles on Model Roofing ; invented by Henry James Major, of Bridgwater, and manufactured by the Exhibitors. See Exhibitors' Price List.

11,745—Patent Treble-Channelled Roofing Tiles on Model Roofing ; invented by John Sealy, of Bridgwater, and manufactured by the Exhibitors. See Exhibitors' Price List.

11,746—Patent Bonding Roll Roofing Tiles on Model Roofing ; invented by C. Y. Poole, of Weston-super-Mare, and manufactured by the Exhibitors. See Exhibitors' Price List.

11,747—Double-Channelled Roman Tiles on Model Roofing ; manufactured by the Exhibitors. See Exhibitors' Price List.

11,748—Plain and Ornamental Flat Tiles on Model Roofing ; manufactured by the Exhibitors. See Exhibitors' Price List.

11,749—Ridge or Crest Tiles on Model Roofing ; manufactured by the Exhibitors. See Exhibitors' Price List.

11,750—Patent Imperial Bath Scouring Bricks ; invented by Edward Sealy, of Bridgwater, and manufactured by the Exhibitors. Price £1 10s. per thousand. See Exhibitors' Price List.

11,751—Specimens of Building Bricks, Garden Edging Tiles, Hip and Valley Tiles, Flooring Tiles, Malt Kiln Tiles, Perforated Tiles for Draining Paper Pulp, Drain Pipes, Water Pipes, Flower Pots, &c. ; manufactured by the Exhibitors. See Exhibitors' Price List.

Stand No. 683.—*John Matthews, of the Royal Pottery, Weston-super-Mare, Somersetshire.*

Article 11,752—Collection of Terra-Cotta Vases, Pedestals, Fountains, &c.; manufactured by the Exhibitor. Price from 2s. 6d. to £5 each.

11,753—Collection of Italian, Fern, Orchid, and other Baskets, &c.; manufactured by the Exhibitor. Price from 1s. to £1.

11,754—Collection of Rustic, Floral, and Rockery Arborettes, Figures, &c.; manufactured by the Exhibitor. Price from 2s. 6d. to £5.

11,755—Collection of Garden Pots, Seed and Propagating Pans; manufactured by the Exhibitor. Price from ¼d. to £1 5s. From 1 in. to 30 in. diameter.

11,756—Collection of Poole's Patent "Bonding Roll" Roofing Tiles; manufactured by the Exhibitor. Price from £9 to £10 10s. per 1000. The most suitable tile for agricultural buildings.

11,757—Collection of Agricultural Drain Pipes; manufactured by the Exhibitor. Price £1 5s. to £100 per 1000.

Stand No. 684.—*Colthurst, Symons, and Co., of the Quay, Bridgwater.*

For particulars of entry, see Stand No. 140 in Implement Sheds.

Stand No. 685.—*The Patent Waterproof Paper Co., of Canal Works, Willesden Junction.*

For particulars of entry, see Stand No. 33 in Implement Sheds.

Stand No. 686.—*J. M. Tall, of 3, Belvoir Road, Lordship Lane, Dulwich, Surrey.*

Article 11,758—Concrete Building Machine; manufactured by the Exhibitor. Price 4s. per foot run on ground plan of building. This patent machine was invented for building walls, houses, and other buildings in Portland cement concrete; ten times stronger than brickwork, and 30 per cent. cheaper. Can be built by farm labourers; patronised by 600 noblemen and others, for farm buildings, &c. Illustrated pamphlet, 1s.

Stand No. 687.—*John Gatward, of Hitchin.*

For particulars of entry, see Stand No. 67, in Implement Sheds.

Stand No. 688.—*Mr. D. Harvey, of 6, Woodsome Villas, Forest Hill, S.E.*

Article 11,759—Collection of Mitchell's Patent Agricultural Sectional Convertible Steps and Ladders, or Fire Escapes; manufactured by R. Boby, St. Andrew's Works, Bury St. Edmunds. Price, 1s. 4d. to 5s. 6d.

Being in sections, any required height is attained; can be readily extended, contracted, or disconnected, and suspended at any angle, suitable for all trades and callings, and most admirably adapted as a private fire escape.

11,760—Collection of Mitchell's Patent Self-tilting Cask Stands constructed entirely of Iron; manufactured by R. Boby. Price 12s. 6d. to £1 11s. 6d. each. The cask is tilted and the contents drawn off to the smallest quantity equally as clear and fine as at first. The union of the cross is fitted with a set screw, so that one end may be loosened and moved along the centre bar to make the stand suitable for small casks.

Stand No. 689.—*John Banks Taylor, of Seton West Mains, Preston Pans, Haddington, N.B.*

Article 11,761—(*New Implement.*)—New Invention for Lifting and Depositing Hay, Corn, Straw &c., in Mass; manufactured by George Hogg, Blinkbonny by Tranett, N.B. Price £20. Consists of a vehicle which can be lowered at one end. A load of hay, corn, straw, &c., drawn up, carried and deposited, or further elevated in mass without forking. Vehicle 12 ft. long by 8 wide; connecting post 14 ft. by 8 wide. (*For Trial.*)

Stand No. 690.—*Richard Jones, of 57, Hamilton Road, Liverpool.*

Article 11,762—Barrow Hoist; manufactured by the Exhibitor. Price £32.

11,763—Hoist for Lifting Hods or Boards; manufactured by the Exhibitor. Price £14.

Stand No. 691.—*The Panklithanon Co., of 56, Baker Street, W.*

For particulars of entry, see Stand No. 61 in Implement Sheds.

Stand No. 692.—*J. Warner and Sons, of Crescent Foundry, Cripplegate, E.C.*

For particulars of entry, see Stand No. 320 in Implement Sheds.

Stand No. 693.—*Rev. Robert William Pound, M.A. of Appuldurcombe School, Godshell, Isle of Wight.*

11,764—(*New Implement.*)—Set of Patent Fittings (Attached to Entrance Gate, for Opening from a Carriage); manufactured by Messrs. Hughes & Son, Norton Works, Malton, Yorkshire. Price £7 10s. Includes four wooden pillars carrying levers, within easy reach of driver; pulleys, chains, and wires laid in pipes underground, in connection with fittings, so that the gate may be opened from either side, and shut after passing through.

11,765—(*New Implement.*)—Set of Patent Fittings (Attached to Entrance Gate for Opening from any Distance); manufactured by Hughes & Son. Price £4 10s. By levers, like signal levers, this gate is opened from any distance by a person on foot, at the door of a lodge, &c. The ordinary swinging of the gate is not interfered with, but rather placed on a better basis by reason of new adjustable screw rockers. Gate unlatches itself.

Stand No. 694.—*The Coalbrookdale Company, of Coalbrookdale, Shropshire.*

Article 11,766—Ornamental Fountain Complete; manufactured by the Exhibitors. Price £597 10s.; main structure, £300; cast-iron fidd with drinking fountain, &c., £135; five naiads in basin, at £32 10s. each.

11,767—Ornamental Fountain Complete; manufactured by the Exhibitors. Price £107; fountain, £75; basin, £32.

11,768—Ornamental Fountain Complete; manufactured by the Exhibitors. Price £50 10s.; fountain, £35; basin, £15 10s.

11,769—Ornamental Fountain Complete; manufactured by the Exhibitors. Price £175; fountain, £150; basin rim, £25.

11,770—Ornamental Fountain; manufactured by the Exhibitors. Price £5 15s.

11,771—Ornamental Fountain; manufactured by the Exhibitors. Price £8.

11,772—Ornamental Fountain; manufactured by the Exhibitors. Price £4 15s.

11,773—Ornamental Fountain; manufactured by the Exhibitors. Price £3 15s.

11,774—Ornamental Fountain; manufactured by the Exhibitors. Price £7 10s.

11,775—Ornamental Fountain; manufactured by the Exhibitors. Price £16 10s.

11,776—Ornamental Fountain; manufactured by the Exhibitors. Price £22 10s.

11,777—Ornamental Fountain; manufactured by the Exhibitors. Price £21.

11,778—Ornamental Fountain; manufactured by the Exhibitors. Price £7 15s.

11,779—Ornamental Fountain; manufactured by the Exhibitors. Price £10 15s.

11,780—Ornamental Fountain; manufactured by the Exhibitors. Price £12.

11,781—Ornamental Fountain; manufactured by the Exhibitors. Price £22 10s.

11,782—Cast-Iron Vase; manufactured by the Exhibitors. Price £63.

11,783—Vase £27 10s., and Pedestal £2; manufactured by the Exhibitors. Price £29 10s.

11,784—Vase £47 10s., and Pedestal £17 10s.; manufactured by the Exhibitors. Price £65.

11,785—Vase £14 10s., and Pedestal £2; manufactured by the Exhibitors. Price £16 10s.

11,786—Vase, £8 8s., and Pedestal, £3 15s.; manufactured by the Exhibitors. Price £12 3s.

11,787—Vase £4 15s., and Pedestal £3 7s. 6d.; manufactured by the Exhibitors. Price £8 2s. 6d.

11,788—Vase £3 7s. 6d., and Pedestal £3; manufactured by the Exhibitors. Price £6 7s. 6d.

11,789—Vase £2, and Pedestal £2; manufactured by the Exhibitors. Price £4.

11,790—Vase £2 15s., and Pedestal £2 10s.; manufactured by the Exhibitors. Price £5 5s.

11,791—Vase £1 15s., and Pedestal £1 17s. 6d.; manufactured by the Exhibitors. Price £3 12s. 6d.

11,792—Vase £2 10s., and Pedestal £1 10s.; manufactured by the Exhibitors. Price £4.

11,793—Vase £3 10s., and Pedestal £2; manufactured by the Exhibitors. Price £5 10s.

11,794—Vase £2 10s., and Pedestal £3 2s. 6d.; manufactured by the Exhibitors. Price £5 12s. 6d.

11,795—Flower Stand; manufactured by the Exhibitors. Price £9 9s.

11,796—Flower Stand; manufactured by the Exhibitors. Price £5 5s.

11,797—Flower Stand; manufactured by the Exhibitors. Price £4 15s.

11,798—Flower Box; manufactured by the Exhibitors. Price £7.

11,799—Pair of Flower Boxes; manufactured by the Exhibitors. Price £2 10s. per pair.

11,800—Flower Box; manufactured by the Exhibitors. Price £1 15s.

11,801—Flower Stand; manufactured by the Exhibitors. Price £2 10s.

11,802—Flower Stand; manufactured by the Exhibitors. Price £5 5s.

11,803—Flower Stand; manufactured by the Exhibitors. Price £2 7s. 6d.

11,804—Flower Stand; manufactured by the Exhibitors. Price £2 17s. 6d.

11,805—Flower Stand; manufactured by the Exhibitors. Price £12 12s.

11,806—Flower Stand; manufactured by the Exhibitors. Price £2 2s. 6d.

11,807—Flower Stand; manufactured by the Exhibitors. Price £1 17s. 6d.

11,808—Flower Stand; manufactured by the Exhibitors. Price £4 15s.

11,809—Flower Stand; manufactured by the Exhibitors. Price £9 5s.

- 11,810**—Flower Stand ; manufactured by the Exhibitors. Price £15.
- 11,811**—Flower Stand ; manufactured by the Exhibitors. Price £2 7s. 6d.
- 11,812**—Figure in Cast-Iron ; manufactured by the Exhibitors. Price £16 10s.
- 11,813**—Figure in Cast-Iron ; manufactured by the Exhibitors. Price £16 10s.
- 11,814**—Figure in Cast-Iron ; manufactured by the Exhibitors. Price £10.
- 11,815**—Figure in Cast-Iron ; manufactured by the Exhibitors. Price £13.
- 11,816**—Figure in Cast-Iron ; manufactured by the Exhibitors. Price £17 10s.
- 11,817**—Figure in Cast-Iron ; manufactured by the Exhibitors. Price £17 10s.
- 11,818**—Candelabra, with Figures in Cast-Iron ; manufactured by the Exhibitors. Price £105.
- 11,819**—Candelabra, with Figure in Cast-Iron ; manufactured by the Exhibitors. Price £21.
- 11,820**—Candelabra, with Figure in Cast-Iron ; manufactured by the Exhibitors. Price £28.
- 11,821**—Figure of "Temperance," for a Drinking Fountain ; manufactured by the Exhibitors. Price £40.
- 11,822**—Improved Garden Roller, 22 In. by 24 In. ; manufactured by the Exhibitors. Price £4.
- 11,823**—Improved Garden Roller, 26 In. by 28 In. ; manufactured by the Exhibitors. Price £5 5s.
- 11,824**—Park-Entrance Gates ; manufactured by the Exhibitors. Price £125 per pair ; piers, £97 10s. per pair ; railing £5 10s. per yard.
- 11,825**—Park-Entrance Gates ; manufactured by the Exhibitors. Price £55 per pair ; piers, £50 per pair ; railing, £2 7s. 6d per yard ; standards, £1 2s. 6d. each.
- 11,826**—Entrance Gates ; manufactured by the Exhibitors. Price £12 16s. per pair ; piers, £10 per pair ; railing, £1 12s. 6d. per yard ; standards, £1 15s. each.
- 11,827**—Entrance Gates ; manufactured by the Exhibitors. Price £12 10s. per pair ; piers, £3 10s. per pair ; railing, £1 17s. 6d. per yard.
- 11,828**—Entrance Gates ; manufactured by the Exhibitors. Price £5 10s. per pair ; piers, £5 10s. per pair ; railing, 16s. per yard ; standards, 4s. 6d. each.
- 11,829**—Entrance, with Pilasters complete ; manufactured by the Exhibitors. Price £11 10s.
- 11,830**—Sample of Railing ; manufactured by the Exhibitors. Price £2 14s. per yard.
- 11,831**—Sample of Railing ; manufactured by the Exhibitors. Price £1 10s. per yard ; standards, 12s. 6d. each.
- 11,832**—Sample of Railing ; manufactured by the Exhibitors. Price £1 7s. 6d. per yard ; standards, £1 5s. each.
- 11,833**—Sample of Railing ; manufactured by the Exhibitors. Price £4 10s. per yard.

11,834—Sample of Railing; manufactured by the Exhibitors. Price 15s. per yard; standards, 10s. each.

11,835—Sample of Railing; manufactured by the Exhibitors. Price £1 10s. per yard.

11,836—Sample of Railing; manufactured by the Exhibitors. Price 16s. per yard; standards, 8s. 6d. each.

11,837—Sample of Railing; manufactured by the Exhibitors. Price 8s. per yard; standards, 15s. 6d.; spikes, 1s. 8d. each.

11,838—Sample of Railing; manufactured by the Exhibitors. Price £1 7s. 6d. per yard; standards, £1 8s. 3d. each.

11,839—Sample of Railing; manufactured by the Exhibitors. Price £1 6s. per yard; standards, £1 3s. 6d. each.

11,840—Sample of Railing; manufactured by the Exhibitors. Price £1 2s. 6d. per yard; standards, 5s. each.

11,841—Sample of Railing; manufactured by the Exhibitors. Price £1 2s. 6d. per yard; standards 5s. each.

11,842—Sample of Railing; manufactured by the Exhibitors. Price 15s. per yard; standards, 7s. 6d. each.

11,843—Sample of Railing; manufactured by the Exhibitors. Price £1 2s. 6d. per yard; standards, 5s. each.

11,844—Sample of Railing; manufactured by the Exhibitors. Price £1 2s. 6d. per yard; standards, 7s. each.

Stand No. 695.—*The Swansea Waggon Co., of Swansea, Glamorgan.*

Article 11,845—(*New Implement.*)—**Railway Refrigerating Waggon**; manufactured by the Exhibitors. Price £131. A railway refrigerating waggon for running with passenger or goods trains, fitted with Knott's patent dry air refrigerators, and specially constructed for the conveyance for long distances at a low temperature, of meat, fish, and perishable goods, without deterioration in quality or appearance. (*For Trial.*)

Stand No. 696.—*Alfred Welch, of Southall, Middlesex.*

Article 11,846—(*New Implement.*)—**Improved Cattle Waggon**; manufactured by the Exhibitor. Price £200.

Stand No. 697.—*William D'Alton Mann, of the Junior Athenæum Club, 116, Piccadilly, London, W.*

Article 11,847—**Refrigerator Car or Railway Waggon**, for the Transport of Perishable Goods, Meat, Fish, Fruit, Dairy Produce, Vegetables, &c.; manufactured by the Exhibitor. Price £500. This car will carry 8 tons of dead meat, will preserve it in temperature below 45 deg. for 10 days in perfect condition. The process is by clear, cold, and perfectly dry air. (*For Trial.*)

Stand No. 698.—*A. J. Main and Co., of*
108, Queen Victoria Street, E.C.

For particulars of entry, see Stand No. 142 in Implement Sheds.

Stand No. 699.—*James Howorth, M.S.A., of Victoria*
Works, Farnworth, near Bolton and Manchester.

Article 11,848—30-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £10 5s. ornamental. For public buildings, assembly rooms, workhouses, hospitals, churches, schools; and abstracting hot air, steam, or dust from factories. Number and size of ventilators required depend upon internal size of building, and purpose for which they are used.

11,849—24-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £7 plain. As above.

11,850—21-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £5 15s. plain. As above.

11,851—18-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £4 15s. plain. For ventilating stables, farm buildings, cow-houses, corn and malt-kilns, lecture-rooms, billiard-rooms, smoke-rooms, large dining-rooms, kitchens, small churches, chapels, and schools.

11,852—16-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £4 plain. As above.

11,853—14-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £3 plain. For ventilating sewers, bed-rooms by staircases, dining-rooms, kitchens, billiard-rooms, smoke-rooms, conservatories, farm buildings, cow-houses, small stables, weaving sheds, offices, show-rooms, and shops.

11,854—12-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £2 10s. plain. As above.

11,855—10-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £2 5s. ornamental. For ventilating laboratories, small conservatories, and small places of a non-manufacturing character.

11,856—10-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £1 17s. plain. As above.

11,857—9-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £2 ornamental. As above.

11,858—9-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £1 12s. plain. As above.

11,859—8-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £1 15s. ornamental. For ventilating sewers, water-closets, lavatories, conservatories, and small places of a non-manufacturing character.

11,860—8-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £1 10s. plain. As above.

11,861—6-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £1 10s. ornamental. For ventilating sewers, water-closets, and very small places.

11,862—6-In. Diameter "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £1 8s. plain. As above.

11,863—10-In. Diameter, No. 4, "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £1 15s. round base. For preventing down-draughts and sulphurous smells in chimneys; suitable for bed-room and dining-room fireplaces.

11,864—11-In. Diameter, No. 4, 3-Ft. High "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £2 10s. plain. As above. Suitable for dining-room and small kitchen fireplaces.

11,865—12-In. Diameter, No. 4, 3-Ft. High, "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £3 2s. 6d. fire-proof. As above. Suitable for kitchen fireplaces.

11,866—14-In. Diameter, No. 4, 3-Ft. High, "James Howorth's" Patent Revolving Archimedean Screw Ventilator; manufactured by the Exhibitor. Price £2 17s. plain. As above.

11,867—Stand with Models of "James Howorth's" Patent Revolving Archimedean Screw Ventilators; manufactured by the Exhibitor. To show mode of application, and power of these ventilators. (*Not for Sale.*)

Stand No. 700.—*Francis Morton and Co., of Naylor Street, Liverpool.*

For particulars of entry, see Stand No. 74 in Implement Sheds.

Stand No. 701.—*Hill and Smith, of Brierley Hill, Salop.*

For particulars of entry, see Stand No. 72 in Implement Sheds.

Stand No. 702.—*Messieurs Wohl et Cie., of 13, Rue Eastbout, Paris.*

Article 11,868—(*New Implement.*)—Press for Hay, Cotton, Wool, Alpha, &c., Worked by Hand; manufactured by the Exhibitors. Price £240.

Stand No. 703.—*J. P. Fison, of Teversham,
Cambridge.*

For particulars of entry, see Stand No. 559 in Machinery in
Motion Sheds.

Stand No. 704.—*Henry Inman, of the Rustic Works,
Stretford, near Manchester.*

Article 11,869—Farm Bailiff's or Steward's Office on Wheels ;
designed and manufactured by the Exhibitor. Price £35.

11,870—3 Shepherd's Huts ; designed and manufactured by the
Exhibitor. Price from £25 to £35.

11,871—Wheelbarrow ; manufactured by the Exhibitor. Price
£1 15s.

11,872—8 Rustic Garden Houses, varying in Design, Size, and
Price ; designed and manufactured by the Exhibitor. Price from £17 to
£85.

11,873—8 Rustic Seats, varying in Design, Size, and Price ; de-
signed and manufactured by the Exhibitor. Price from 18s. to £5.

11,874—Rustic Circular Seat for a Tree ; designed and manu-
factured by the Exhibitor. Price £10.

11,875—10 Rustic Tables, varying in Design, Size, and Price ;
designed and manufactured by the Exhibitor. Price from £1 to £4 10s.

11,876—10 Rustic Stools, varying in Design, Size, and Price ; de-
signed and manufactured by the Exhibitor. Price from 8s. to 15s.

11,877—15 Rustic Flower Vases, varying in Design, Size, and
Price ; designed and manufactured by the Exhibitor. Price from 18s. to £10.

11,878—10 Water Filters ; manufactured by W. M. Jowett and Co
Price 10s. 6d. to £2 10s.

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Laidlaw & Co., **2797**

Bristol Waggon Works Co., **4235, 4236**

Ball & Son, **4293, 4294**

Kiddle, **4353**

Stone, **4400**

Bull, **4404**

Crosskill & Sons, **6473**

Dairy Cart and Van.

Hill, **4369**

Hayes, **5624**

Delivery Cart.

Crosskill & Sons, **6474**

Dirt and Slush Cart,

James, **5353**

Dog Carts.

(See Carriages.)

Drays, Laires and Floats.

Ball & Son, **4275**

Milford, F. P., **4344**

Glover & Sons, **4519**

Hayes & Son, **5625 to 5627**

Crosskill & Sons, **6482**

Emigrant's Waggon.

Crosskill and Sons, **6483**

Farm Carts.

Tasker & Sons, **1140**

Taylor & Co., **2118**

Vipan & Headly, **2699, 2701**

Headly and Son, **3417**

Bristol Waggon Works Co., **4237 to 4240**

Kiddle, **4352**

Stone, **4397 to 4399**

Glover & Sons, **4517**

Page & Girling, **4523, 4524**

Woods, Cockledge, & Warner, **8160, 8162**

CARTS AND WAGGONS.*General Purpose Carts and Wag-
gons.*

Headly & Son, **3418**
 Ball & Son, **4287 to 4292**
 Milford, F. P., **4345**
 Bull, **4406**
 Glover & Sons, **4517**
 Page and Girling, **4523**
 Cottrell & Co., **6345, 6346**
 Johns, Brothers, **9143**

Hand Carts and Trucks.

Sawney & Co., **3776, 3777**
 Ransome & Co., **5792**
 Rogers, Brothers, **7797**

Harvest Carts and Waggon.

Sawney & Co., **3748**
 Crosskill & Sons, **6475**
 Woods, Cockledge, & Warner,
8161, 8163

Hay Carts.

Bristol Waggon Works Co.,
4241
 Ball & Son, **4286**

Maltsters' Carts and Vans.

Hayes & Son, **5623**

Market Carts.

Vipan & Headly, **2703**
 Sawney & Co., **3751, 3752**
 Bristol Waggon Works Co.,
4233, 4234
 Ball & Son, **4295, 4296**
 Milford, F. P., **4346**
 Howes & Sons, **5867 to 5869**
 Crosskill & Sons, **6471, 6472**

Millers' Cart and Van.

Headly & Son, **3419**
 Hayes & Son, **5623**

Millers' Waggon.

Hayes & Son, **5623**

Milk Vans.

Hill, **4370**
 Hayes & Sons, **5624**

Mineral Water Van.

Hayes & Son, **5621**

CARTS AND WAGGONS.*Pony Carts.*

Sawney & Co., **3749**
 Bristol Waggon Works Co.,
4231
 Bull, **4409**
 Crosskill & Sons, **6470**

Sanitary Carts.

Coleman & Morton, **4923**
 James & Son, **5352, 5353**
 Crosskill & Sons, **6481**
 Randell, **8440**

Scotch Cart.

Reading Ironworks, **312**

Street Watering Carts.

Baker, **3369**
 Headly & Son, **3443 to 3445**
 Coleman & Morton, **4921**
 James & Son, **5348 to 5351**
 Woods, Cockledge, & Warner,
8159
 Wilder, **8486**

Tax Cart.

Bristol Waggon Works Co., **4254**

Timber Merchants' Van.

Hayes & Son, **5633**

Tip Carts.

Bristol Waggon Works Co.,
4231, 4232, 4243 to 4246

(See Builders' and General
 Purpose Carts.)

Town Vans.

Hayes & Son, **5631, 5632**

Trolleys.

Bristol Waggon Works Co.,
4258, 4263
 Bull, **4403**
 Hayes & Son, **5630**

Waggon and Vans.

Laidlaw & Co., **2798**
 Aveling & Porter, **3105, 3106**
 Sawney & Co., **3753**
 Bristol Waggon Works Co., **4255**
 to **4262**
 Ball & Son, **4270 to 4274**
 Bulled, **4338 to 4340**

CARTS AND WAGGONS.*Waggon and Vans.*

Milford, F. P. **4341 to 4343**
 Kiddle, **4348 to 4351**
 Marshall, **4391, 4392**
 Stone, **4395, 4396**
 Bull, **4401, 4402**
 Glover & Sons, **4512**
 Page & Girling, **4521 to 4524**
 Hayes & Son, **5619 to 5623**
 Crosskill & Sons, **6477, 6478**

Waggon with Self-Laying Tram Rails.

Pellatt, **4492**

Axle Keys.

Whiteley & Sons, **414 to 419**

Bolts and Nuts for Carts, &c.

Richards & Co, **4386**

Cart Arms and Bushes.

Moser & Sons, **3519**
 Kirkstall Forge Co., **4462 to 4472, 4482 to 4489**

Cart and Waggon Jacks.

Brenton, **239, 240**
 Albion Iron Works Co., **1247 to 1249**
 Milford, F. P., **4347**
 Richards & Co., **4387**
 Rainforth & Sons, **5276, 5277**

Cart with Ball Joint.

Engstrom, **11,635**

Greases.

Cowdy, **775**
 Poupard, **1070**
 Unite, **4169**

Iron Stocks fitted with Arms.

Sinkwell, **3335, 3336**

Ironwork for Carts and Waggon.

Richards & Co., **4385**
 Slim, **5408**

Skid Pans.

Moser & Sons, **3520**

Springs for Carts and Waggon.

Richards & Co., **4384**
 Abell & Co., **4417**

CARTS AND WAGGONS.*Tires.*

Kirkstall Forge Co., **4455**

Waggon and Cart Covers.

Phillips, **558 to 562**
 Peck, **598 to 601**
 Patent Waterproof Paper and Canvas Co., **620**
 Anderson, Abbott, & Anderson, **971, 972**
 Poupard, **1053 to 1058**
 Edgington, **3842, 3843**
 Unite, **4164, 4165, 4168, 4230**
 Ramforth & Sons, **5286**

Waggon Hoops.

East & Son, **5328**

Waggon Ropes.

Poupard, **1061**

Wheels and Axles.

Dobbing, **4355, 4356**
 Bernard, **4364 to 4368**
 Richards & Co., **4383**
 Abell & Co., **4418**
 Osmond, **5339, 5340**
 Smith, Parfrey, & Hitchings, **5387 to 5404**
 Crosskill & Sons, **6484**

CASTINGS FOR AGRICULTURAL ENGINES AND IMPLEMENTS.

Spencer & Sons, **407, 408**
 Hadfield's Steel Foundry Co., **409**
 Whiteley & Sons, **410, 422, 423**
 Nottingham Malleable Iron Co., **5309**
 Harrison, Teague, & Birch, **5321**
 Savile Street Foundry Co., **9174**
 Ley, **9699**

CATTLE CONVEYANCE.

(See *Carts and Waggon.*)

CATTLE CRIBS.

Albion Iron Works Co., **1225**
 Perkins & Bellamy, **1930 to 1941**
 Alexanders & Loveridge, **3452, 3453**

CATTLE CRIBS.

Peirce, **3674**
 Bayliss, Jones, & Bayliss, **4004**
 Crump, **4646, 4647**
 Cannings, **5345**
 Larkworthy & Co., **8799, 8800**

CATTLE FEEDERS AND APPLIANCES.

Willacy, **3339 to 3344**

CATTLE GAUGES.

Davis & Co., **11,455**

CATTLE GEAR PUMP.

Death & Ellwood, **1362**

CATTLE HURDLES AND FENCING.

Hill & Smith, **1532 to 1535, 1538, 1540 to 1544, 1554, 1555, 1560, 1561, 1578, 1579, 1582 to 1589**
 Hydes & Wigfull, **1789 to 1794, 1796 to 1801**
 Keay, **1956, 1957, 1960, 1961, 1964, 1992 to 1999, 2002, 2003**
 Barnards, Bishop, & Barnards, **2645, 2649**
 Bayliss, Jones, & Bayliss, **3882 to 3884, 3904 to 3924, 3934 to 3954, 3978, 3979, 4006 to 4009**
 Main & Co., **4048 to 4057, 4060, 4062, 4063**
 Crump, **4660, 4661**
(See also Hurdles, &c.)

CATTLE TROUGHS AND PANS.

Croggon & Co., **1019, 1020**
 Perkins & Bellamy, **1942**
 Treggon & Co., **2508, 2509**
 Barnards, Bishop, & Barnards, **2633**
 Gill & Carling, **2952**
 Cottis & Sons, **2968, 2990**
 Baker, T., **3372**
 Headly & Son, **3425**
 Alexanders & Loveridge, **3458**
 Peirce, **3681**
 Matterson, Huxley, & Watson, **3820**
 Crump, **4652 to 4654**

CATTLE TROUGHS AND PANS.

Picksley, Sims, & Co, **5013**
 Cannings, **5346**
 Gillings, **6168**
 Burney & Co., **7588 to 7600**
 Rogers Brothers, **7803, 7805**
 Woods, Cocksedge, & Warner, **8164**
 Bellamy, **8326 to 8344, 8346, 8347**

CATTLE WEIGHING MACHINE.

Rollins & Co., **3618**
 Chameroy, **4138**
 Pooley & Son, **6817**
 Howe Scale Co., **6054**
 Bartlett & Son, **6788**
 Avery, **6820**
(See Weighing Machines.)

CEMENT FOR DRIVING PULLEYS.

Toope, **769**

CHAFF CUTTERS.

Hunt & Tawell, **182 to 190, 220**
 Samuelson & Co., **285**
 Reading Iron Works Co., **306, 307**
 Allcock, **370 to 378**
 Edwards, A., **401 to 404**
 Jeffery and Blackstone, **500 to 512**
 Albion Iron Works Co., **1143 to 1165**
 Taylor & Co., **2122 to 2127**
 Vipan & Headly, **2707 to 2709**
 Laidlaw & Co., **2790, 2800**
 Nicholson & Son, **2883, 2884**
 Gill & Carling, **2922 to 2926**
 Cottis & Sons, **2964 to 2968**
 Ord & Maddison, **3054, 3055**
 Harrison, McGregor, & Co., **8123 to 3185**
 Maldon Iron Works Co., **3209 to 3217**
 Bentall & Co., **3258 to 3276**
 Lister & Co., **3305 to 3309**
 Peirce, **3665 to 3668**
 Unite, **4219 to 4223**
 Selig, Sonnenthal, & Co., **4597 to 4600**

CHAFF CUTTERS.

Corbett & Peele, 4723 to 4726
 Page & Co., 4839 to 4841
 Williams & Son, 4858 to 4874
 Picksley, Sims, & Co., 4961 to 4970
 Affleck, 5294
 Carson & Toone, 6197 to 6205
 Summerscales & Sons, 7274 to 7277
 Brooksbank & Watson, 7354 to 7356
 Machinery & Hardware Exhibition & Agency, 7527
 Rogers Brothers, 7773 to 7775
 Crowley & Co., 8078 to 8097
 Woods, Cocksedge, & Warner, 8133 to 8141
 Powell, Brothers, and Whitaker, 8180 to 8187
 Whalley, Smith, & Paget, 8243 to 8252
 Bell & Co., 8265, 8266
 Bamford & Sons, 8376 to 8389
 Stacey & Sons, 8457 to 8463
 Wilder, 8469 to 8479
 Richmond & Chandler, 8488 to 8507
 Lowcock, 8592 to 8596
 Smith & Grace, 8749 to 8757
 Chapman & Sutton, 10,110, 10,111
 Hempsted & Co., 10,478, 10,479
 Hindley, 10,583

For Power.

Hunt & Tawell, 189, 190, 220
 Allcock, 370, 371
 Edwards, A., 404
 Jeffery & Blackstone, 509 to 512
 Taylor & Co., 2122 to 2124
 Vipan & Headly, 2709
 Gill & Carling, 2926
 Harrison, McGregor, & Co., 3133 to 3135
 Maldon Iron Works, Co., 3215 to 3217
 Bentall & Co., 3271 to 3276
 Lister & Co., 3308, 3309
 Corbett & Peele, 4723, 4724
 Page & Co., 4839
 Williams & Son, 4867 to 4874
 Picksley, Sims, & Co., 4967 to 4970
 Carson & Toone, 6197 to 6201

CHAFF CUTTERS.

For Power.

Machinery & Hardware Exhibition & Agency, 7527
 Crowley & Co., 8085 to 8097
 Whalley, Smith, & Paget, 8252
 Bamford & Sons, 8388, 8389
 Stacey & Sons, 8457 to 8459
 Wilder, 8478, 8479
 Richmond & Chandler, 8499 to 8507
 Lowcock, 8596
 Hindley, 10,583
 Proctor & Wallis, 10,687
 Corbett, 10,755
 Simon & Son, 10,918

Knives for Chaff Cutters.

Linaere, 2220

CHAFF AND PULP DISTRIBUTOR.

Willacy, 3341

CHAFF ENGINE, SIFTING AND BAGGING.

Maynard, 7550, 7551, 7552
 Clayton & Shuttleworth, 10,538

CHAFF SIFTER.

Boby, 3179

CHEESE COLOURING.

Nicholls & Co., 11,470

CHEESE MAKERS, STEAM.

Wilkins & Son, 6174, 6175

CHEESE MAKING UTENSILS.

Albion Iron Works, 1202 to 1214
 Vipan & Headly, 2729, 2730
 Lister & Co., 3310, 3311
 Corbett & Peele, 4740
 Wilkins & Son, 6174 to 6180
 (See *Curd Mills*).

CHEESE PRESSES.

Albion Iron Works, 1202 to 1208
 Vipan & Headly, 2729, 2730
 Peirce, 3697
 Corbett & Peele, 4730 to 4735, 4739

CHEESE PRESSES.

Carson & Toone, **6219** to **6225**
 Machinery and Hardware Exhibition and Agency, **7501**,
7502

Bamford & Sons, **8401** to **8403**

CHEESE RENNET EXTRACT.

Brown, Brothers, **5692** to **5695**.

CHEESE ROOM STOVES AND WARMERS.

Brown, Brothers, **5687** to **5691**

CHEESE STOOLS.

Albion Iron Works Co., **1209**,
1210

Corbett & Peele, **4736**, **4737**

CHEESE TRUCK.

Herbert & Sons, **5978**

CHEESE TURNING MACHINE.

Ahlborn, **4151**
 Carson & Toone, **6228**

CHEESE VAT.

Ahlborn, **4152**

CHONDROMETER.

Corcoran, Witt, & Co., **6563**
 Carter, **9221**
 Dell & Son, **9272**
 Corcoran, jun., **10,2**

CHURNS.

Follows & Bate, **1880** to **1883**
 Taylor & Co., **2143** to **2145**
 Laidlaw & Co., **2794** to **2796**
 Rollins & Co., **3583**
 Peirce, **3693**
 Ahlborn, **4140** to **4145**
 Ransome & Co., **5786**
 Tinkler & Co., **5883** to **5984**
 Robinson & Richardson, **5895** to
5906

Waide, **5907** to **5916**
 Samuel **5919** to **5933**
 Hancock, F. & C., **6017**, **6018**
 Alway & Sons, **6094** to **6101**
 Lloyd, Lawrence, & Co., **6122**
 Duffield, sen., **6145**

CHURNS.

Hathaway, **6186** to **6196**
 Lyon, **6281**
 Atmospheric Churn Co., **6288** to
6303
 Bradford & Co., **6351** to **6357**
 Thomas & Taylor, **6406** to **6423**
 Machinery & Hardware Exhibition and Agency, **7521**
 Kent & Co., **7838** to **7845**
 Bell & Co., **8257** to **8260**
 Keyworth & Co., **8364**
 Perkins, Paternoster, & Burlingham, **8557** to **8559**

CIDER MILLS.

Denning & Co., **9013**
 Humphries, **10,495**

CIDER PRESSES.

Denning & Co., **9014**
 Humphries, **10,496**
 Ladd & Co., **10,788**

CIRCULAR IRON CAGE FOR SHEEP AND LAMBS.

Sinkwell, **3329**

CLAY GRINDING MILLS FOR BRICKMAKING.

Page & Co., **4817**
 Bastin & Co., **5850**, **5851**
 Bradley & Craven, **9986**
 Darby, **10,709**, **10,710**

CLAY SPADES.

Spear & Jackson, **2201**

CLOD CRUSHERS.

Cheale & Sons, **228** to **230**
 Gatward, **1382**, **1383**
 Lister & Co., **3313**
 Corbett & Peele, **4755**, **4756**
 Denton, **4797**
 Crosskill & Sons, **6482**, **6483**
 Newall & Ogilvie, **8063**, **8064**
 Lancaster, **8619**
 Denning & Co., **9006**

Clodcrusher Rings.

Corbett & Peele, **4761**, **4762**

CLOVER AND GRASS SEEDS.

(See *Seeds, Grass, &c.*)

CLOVER OR TREFOIL SEED SHELLER.

Holmes & Son, 5
Hunt & Tawell, 172
Humphries, 10,494

COCKLE SEPARATING MACHINE.

Corcoran, Witt, & Co., 6524
Van Gelder & Apsimon, 7039,
7041
Throop, 9196, 9197
Fiechter, 9336
(See *Offal Dividers, &c.*)

CONCRETE, &c., FLOORING FOR BARNs, STABLES, &c.

Wilkinson & Co., 4552, 4553

COOLING MACHINES FOR LIQUIDS.

Ahlborn, 4153 to 4156
Lawrence & Co., 10,331 to
10,339

COPPER SHEETS PERFO- RATED FOR AGRICUL- TURAL PURPOSES.

Treggon & Co., 2520

COPROLITE MILLS.

Pulsometer Engineering Co.,
6926, 6927
Barrows & Stewart, 10,730

CORDAGE AND ROPES.

Unite, 4229

CORN AND FLOUR BINS.

Croggon & Co., 1022 to 1024
Dixon, 1508
Cottam & Co., 2047, 2063
Taylor & Co., 2140, 2142
Treggon & Co., 2511, 2512
Gill & Carling, 2942 to 2944
Alexanders & Loveridge, 3456,
3457
Peirce, 3693
Unite, 4224
Ransome & Co., 5794
Burney & Co., 7604 to 7607
Sharman & Ladbury, 7763
Bellamy, 8321 to 8325

CORN AND FLOUR SACKS.

Phillips, 578, 579
Poupard, 1063, 1064
Piggott, Brothers, 1671
Edgington, B., 3846
Edgington, F. & Co., 11,346 to
11,348

CORN AND HAY DRYER.

Davey, Paxman, & Co., 10,560

CORN AND SEED MEA- SURES.

Corcoran, Witt, & Co., 6553
Dell & Son, 9279
Corcoran, jun., 10,232

CORN BALANCE.

Corcoran, Witt, & Co., 6563

CORN BLOWERS.

Corbett & Peele, 4717
(See *Winnowing Machines*).

CORN CRUSHERS AND KIBBLERS.

Albion Iron Works Co., 1176
Taylor & Co., 2128 to 2130
Nicholson, 2833 to 2838
Maldon Iron Works Co., 3224,
3226, 3228
Bentall & Co., 3277 to 3279
Unite, 4216
Lloyd & Sons, 6603 to 6606
Crowley & Co., 8098
Woods, Cocksedge, and Warner,
8130
Richmond & Chandler, 8508 to
8514
Dening & Co., 9013
Corcoran, jun., 10,234

(See also *Mills, Crushing and
Bruising*).

CORN DAMPER.

Dell & Son, 9298

CORN DRESSING AND FINISHING MACHINES.

Holmes & Sons, 20
 Hornsby & Sons, 100, 101
 Hunt & Tawell, 173 to 175
 Cooch, 259
 Baker, J., 357, 358, 361
 Garrett & Sons, 480, 481
 Kittmer, 940 to 944
 Nicholson & Son, 2587
 Richardson, 2911 to 2913
 Bobby, 3182
 Baker, T., 3352, 3353, 3355
 Kell, Meats, and Co., 3892
 Sawney & Co., 3754, 3755, 3761
 Page & Girling, 4581, 4582
 Corbett & Peele, 4708, 4709, 4711, 4714
 Murton & Turner, 5139
 Tindall, 8450

CORN DRILLS.

Holmes & Sons, 8, 10, 11
 Hornsby & Sons, 97
 Cheale & Sons, 931
 Garrett & Sons, 471, 474
 Perkins & Bellamy, 1926
 Kell, Meats, & Co., 3878 to 3387
 Woolnough & Co., 4937 to 4945
 Smyth & Sons, 5079 to 5083, 5085 to 5093
 Gilbert, 5150 to 5152
 Coultas, 5165
 Gower & Son (Winchfield), 5241 to 5243
 Rainforth & Sons, 5250
 Reeves & Son, 6237, 6238
 Armitage & Ifter, 6577, 6578
 Dening & Co., 9000 to 9002
(See also Drills.)

CORN ELEVATORS.

Holmes & Sons, 7
 Cooch, 260, 262
 Gatward, 1376
 Richardson, 2914
 Maldon Iron Works Co., 3208
 Baker, T., 3354
 Sawney & Co., 3762
 Reeves & Son, 6233
 Barford & Perkins, 8842, 8843
 Nickerson, 10,726, 10,727
 Taylor, 11,761
(See Grain Elevators.)

CORN, AND GRAIN AND SEED DRYER.

Davies & Sneade, 6727
 Davey, Paxman, & Co., 10,562

CORN MILLS.

(See Mills.)

CORN SAMPLERS.

Corcoran, Witt, & Co., 6545
 Dell & Son, 9270
 Corcoran, jun., 10,244

CORN SCREENS.

Hornsby & Sons, 99
 Le Buft, 530 to 532, 547 to 550
 Bobby, 3183
 Clert, 4134, 4135
 Penney & Co., 4667, 4668, 4670, 4673
 Corbett & Peele, 4717
 Coleman & Morton, 4927, 4928
 Rainforth & Son, 5251 to 5255
 Brinsmead, 5315
 Corcoran, Witt, & Co., 6544
 Corcoran, jun., 10,238

Woven Wire for Corn or Malt Screen.

Johnson, 1473, 1474

CORN SEPARATORS AND CLEANERS.

Bone, 456 to 459
 Harrison & Co., 7012, 7014
 Van Gelder & Apsimon, 7038, 7040
 Cutler, 7091
 Ashley & Sons, 9310, 9311
(See Grain Wheat Cleaners.)

CORN SHELLERS.

Whiting Manufacturing Company, 2552
 Rollins & Co., 3590, 3591
 Selig, Sonnenthal, & Co., 4602, 4603

CORN SHOVELS.

Poupard, 1086
 Peirce, 3688
 East & Son, 5329
 Dell & Son, 9284
 Corcoran, jun., 10,239

CORN SIEVES.

Johnson, **1483**
 Corcoran, Witt, & Co., **6574**
 Dell & Son, **9295**
 Corcoran, jun., **10,235**

CORN SKIPS.

Oroggon & Co., **1013**
 Treggon & Co., **2515**

**CORN SOWERS, FOR BEANS,
PEAS, OR WHEAT.**

Reeves & Son, **6261, 6262**
(See Broadcast Sowing Machines.)

**CORN STACKS, COVERING
FOR.**

(See Rick Cloths, &c.)

**CORN WEIGHING
MACHINES.**

Kittmer, **945**
 Corcoran, Witt, & Co., **6556, 6557**
 Corcoran, jun., **10,237**
(See also Weighing Machines.)

**COTTON, HAY, AND WOOL
PRESSES.**

Samuelson & Co., **291**
 Rollins & Co., **3552**
 Ladd & Co., **10,783 to 10,785**
 Wohl & Co., **11,868**

COTTON WASTE.

Cowdy, **776**
 Poupard, **1075**

COW-HOUSE FITTINGS.

Cottam & Co., **2044, 2045**
 Musgrave & Co., **2099 to 2102**
 Willacy, **3345, 3346, 3347**
 Peirce, **3678**
 St. Pancras Iron Works Co.,
3801 to 3803

**CREEPERS AND BANDS
FOR CONVEYING GRAIN.**

Corcoran, Witt, & Co., **6559**
 Dell & Son, **9293**
 Hind & Lund, **9823**
 Walwerth & Co., **10,154**
 Whitmore & Binyon, **10,161, 10,168**

CULTIVATORS.

Vipan & Headly, **2688**
 Logan & Elder, **2903**
 Boby, **3178**
 Baker, **3356, 3357**
 Kell, Meats, & Co., **3401 to 3404**
 Headly & Son, **3424**
 Corbett & Peele, **4753, 4754**
 Coleman & Morton, **4904 to 4913**
 Murton & Turner, **5138**
 Rainforth & Sons, **5258, 5259**
 Clay, **6761 to 6770**
 Powell, Smith, Lamb, & Co.,
8585
 Underhill, **10,766 to 10,768**

Cultivator for Hops.

Vipan & Headly, **2740**
 Weeks & Son, **2815**
 Coleman & Morton, **4915**
 Tindall, **8451**

Chisel Harrow Cultivator.

Clay, **6767 to 6770**

Cultivator and Harrow.

Murton & Turner, **5188**

Cultivator Shares.

Coleman & Morton, **4935**

CURD BREAKERS & MILLS.

Albion Iron Works Co., **1211 to 1214**
 Lister & Co., **3316**
 Corbett & Peele, **4738**
 Wilkins & Son, **6176, 6181**
 Carson & Toone, **6226, 6227**
 Machinery & Hardware Exhibi-
 tion & Agency, **7503**
 Bamford & Sons, **8404 to 8406**

DAIRY SALT.

Higgin, **5937**

DAIRY SCALES.

Rollins & Co., **5582**
 Howe Scale Co., **6046**

DAIRY UTENSILS.

Peirce, **5696**
 Albhorn, **4140 to 4157**
 Hancock & Co., **4637 to 4641**
 Samuel, **5935, 5936**

DAIRY UTENSILS.

Duffield, sen., 6147 to 6151
 Gillings, 6169, 6170
 Duffield, H., 6173
 Carson & Toone, 6229
 Thomas & Taylor, 6424
 Davis & Co., 11,448 to 11,551
(See also Butter Churns, and Cheese).

DEGERMINATOR.

Harrison & Co., 7018

DIGGER AND CULTIVATOR.

Sellar & Son, 8988, 8989

DIGGING FORKS.

Spear & Jackson, 2173, 2174
 Rogers, Bros., 7781

DISINTEGRATORS AND GRINDERS.

Carter, 9204 to 9208
 Hawksley, 9719 to 9722
 Hydraulic Engineering Co., 9796

DITCHMAKING AND LEVEL-
ING SCRAPERS.

Selig, Sonnenthal, & Co., 4589
 to 4591

DOOR FASTENERS FOR
FARM BUILDINGS.

Brenton, 243
 Phillips, 576
 Braggins, 1425
 Moncaster, 1435

DRAINING LEVELS.

Davis & Co., 11,452 to 11,454

DRAINING TOOLS AND
CLEANING RODS.

Spear & Jackson, 2153
 Reid & Co., 9035 to 9037

DRESSING MACHINES.

Ransomes, Sims, & Head, 118 to 121
 Gatward, 1408, 1409
 Bobby, 3181
 Thornton, 7436, 7437
 Simon, 10,141

(See Corn and Flour Dressing Machines.)

COMBINED DRESSING AND
BLOWING MACHINES.

Kittmer, 942 to 944

DRILL PRESSERS.

Gower and Son (Market Drayton), 5194
 Gower & Son (Winchfield), 5245

DRILLS.

Barrow Seed Drills.

Cooch, 267

Bean Drill.

Bird & Co., 5209

Clover and Rye Grass Drills.

Smyth & Sons, 5094
 Coultas, 5171
 Gower & Son (Market Drayton), 5192, 5193
 Armitage & Itter, 6579
 Underhill, 10,777

Corn and Seed Drills.

Holmes & Sons, 8, 10, 11
 Hornsby & Sons, 97
 Cheale & Sons, 231
 Garrett & Sons, 471 to 474
 Tasker & Sons, 1138
 Gatward, 1369, 1370
 Vipian & Headly, 2695, 2696
 Kell, Meats & Co., 3378 to 3382
 Rollins & Co., 3546 to 3548
 Peirce, 3661
 Eckert, 4123
 Murton & Turner, 5126 to 5130
 Whitehouse, 5143
 Coultas 5162 to 5164
 Gower & Son (Market Drayton), 5176 to 5181
 Walker, 5197
 Armitage & Itter, 6578
 Maynard, 7558
 Tindall, 8445 to 8448
 Powell, Smith, Lamb, & Co., 8588
 Brown & Son, 8982
 Dening & Co., 9002
 Reid & Co., 9016, 9017
(See Corn Drills).

Cup Drills.

Hunt & Tawell, 210
 Gatward, 1368, 1374
 Glover & Sons, 4518
 Corbett & Peele, 4767, 4769

DRILLS.

General Purpose Drills.

Holmes & Sons, **12**
 Brenton, **237**
 Garrett & Sons, **479**
 Brigham & Co., **2920**
 Kell, Meats, & Co., **3379, 3380**
 Woolnough & Co., **4950**
 Smyth & Sons, **5098**
 Coultas, **5160, 5161**
 Gower & Sons (Market Drayton),
5190
 Rainforth & Sons, **5248, 5249**
 Maynard, **7555**

Hand Drills.

Holmes & Sons, **19**
 Le Butt, **537, 538**
 Boby, **3197**
 Kell, Meats, & Co., **3392**
 Page & Girling, **4530**
 Murton & Turner, **5140 to 5142**
 Gower & Son (Market Drayton),
5195, 5196
 Bird, **5214 to 5216**
 Gower & Son (Winchfield), **5247**

Lifting Jack for Drills.

Walker & Son, **5202**

Liquid Manure Drill.

Armitage & Ruston, **8939**

Manure and Seed Drills.

Holmes & Sons, **11, 13**
 Garrett & Sons, **475**
 Tasker & Sons, **1139**
 Gatward, **1371 to 1373**
 Kell, Meats, & Co., **3389, 3390**
 Rollins & Co., **3546 to 3548**
 Stone & Lythall, **4036, 4037**
 Woolnough & Co., **4948, 4949**
 Smyth & Sons, **5096, 5097**
 Gilbert, **5154**
 Coultas, **5167 to 5170**
 Gower & Son (Market Drayton),
5182 to 5189
 Reeves & Son, **6239 to 6243,**
6246
 Dening & Co., **9003, 9004**

Pea Drill.

Bird & Co., **5209.**

Ridge Drills.

Corbett & Peele, **4766, 4768**
 Gilbert, **5155**
 Gower & Son (Market Drayton),
5183 to 5186, 5189

DRILLS.

Seed Drills.

Bird & Co., **5203 to 5208**
 Pick & Baker, **8705, 8706**

Seed Drills for Market Gardeners.

Stacey & Sons, **8466 to 8468**

Steerage for Drills.

Holmes & Sons, **9**
 Cottis & Sons, **2969**
 Gilbert, **5153**
 Coultas, **5166**
 Gower & Son (Market Drayton),
5178
 Walker, **5201**

Turnip and Mangold Drills.

Holmes & Sons, **15**
 McKenzie & Sons, **362, 363**
 Phillips, **575**
 Tasker & Sons, **1139**
 Gatward, **1371 to 1374**
 Perkins & Bellamy, **1929, 1930**
 Ord & Maddison, **3053**
 Kell, Meats, & Co., **3388, 3390**
 Rollins & Co., **3546, 3547**
 Corbett & Peele, **4766 to 4769**
 Williams & Son, **4901**
 Smyth & Sons, **5096, 5097**
 Murton & Turner, **5131, 5132**
 Gilbert, **5154**
 Mitchell & Son, **5159**
 Coultas, **5167 to 5170**
 Gower & Son (Market Drayton),
5182 to 5189
 Randell, **8443, 8444**
 Tindall, **8449**
 Underhill, **10,776**
 (See Turnip Sowers).

DRINKING TROUGHS.

(See Cattle Troughs.)

DRIVING APRONS, OIL CLOTH AND INDIA RUBBER.

Peck, **606, 607**
 Unite, **4183, 4184**

DRIVING BANDS.

(See Machine Bands.)

DRIVING BELTS.

(See Machine Bands.)

DRIVING CHAIN FOR AGRICULTURAL MACHINERY.Ley, **9701****DRIVING PULLEYS OR SPRING DRUMS.**Reading Iron Works Co., **318 to 341**Phillips, **589 to 595**Toope & Co., **769**Thomas & Taylor, **6459**Dell & Son, **9300****DRUM GUARDS.**Holmes & Sons, **22**Tasker & Sons, **1123**Innes, **8579**Barrows & Stewart, **10,739**Fison, **10,822, 10,823****DRYING MACHINE FOR GRAIN AND SEEDS.**Davies & Sneade, **6727**Davy, Paxman, & Co., **10,562****DYNAMOMETER (PLOUGH).**Howard, **9107****EDGE TOOLS FOR AGRICULTURISTS.**Skurray & Co., **221****ELEVATORS.**Holmes & Sons, **7**Tasker & Sons, **1124, 1128, 1131**Garrett, **469**Gatward, **1376**Burrell & Sons, **3118**Maldon Iron Works Co., **3208**Baker, **3354**Sawney & Co., **3762**Reeves & Son, **6233**McKenzie & Sons (London), **6038**Cottrell, **6340, 6341**Perkins, Paternoster, & Burlingham, **8529, 8331**Barford & Perkins, **8842, 8843**Robey & Co., **8923, 8937**Johns, Brothers, **9137**Garrett, **9157**Watson & Haig, **9161, 9162**Wallis & Steevens, **9904, 9905, 9907****ELEVATORS.**Marshall & Sons, **10,422**Ruston, Proctor, & Co., **10,453, 10,454**Hempsted & Co., **10,476**Clayton & Shuttleworth, **10,539, 10,540**Foster & Co., **10,660**Nickerson, **10,726, 10,727**Barrows & Stewart, **10,740**Taylor, **11,761***Elevator Buckets.*Van Gelder & Apsimon, **7052**Corcoran, jun., **10,251****ELEVATOR FOR LIQUIDS, &c.**Darby, **10,708****ELEVATOR WEBBING.**Dell & Son, **9282**Corcoran, jun., **10,250****ELEVATORS FOR GRAIN, &c.**Corcoran, Witt, & Co., **6516, 6517**Carter, **9214, 9215**Walworth & Co., **10,149**Whitmore & Binyon, **10,162, 10,167****FARM BAILIFF'S OR STEWARD'S VAN.**Fison, **10,825**Inman, **11,869****FARM BARROW, FOLDING.**Selig, Sonnenthal, & Co., **4595, 4596****FARM BUILDINGS, COVERING FOR.**Peck, **602****FARM FIRE ENGINE.**Noel, **9153**Hayward, Tyler, & Co., **9660, 9668****FARM RAILWAY LOCOMOTIVE.**Fowler & Co., **5078**

FARM RAILWAY, PORT- ABLE.

Bolling & Lowe, **4372**
Fowler & Co., **5069**
Crosskill & Sons, **6485**

FARM RAILWAY TRUCKS, WAGGONS, TURN-TABLES AND APPLIANCES.

Bolling & Lowe, **4372** to **4382**
Fowler & Co., **5078**
Crosskill & Sons, **6485**

FARMSTEAD OIL STOVE.

Potter, **7097**

FARMYARD LANTERNS.

Potter, **7104**

FARMYARD MANURE SPREADER.

Willacy, **3348**
Pamphilon & Co., **8454**, **8455**

FEEDING OR DRINKING TANK.

Maldon Iron Works Co., **8245**

FEEDING TROUGHS.

(*See Troughs and Pans.*)

Combined Feeders.

Perkins & Bellamy, **1943**, **1944**

FEED WATER HEATER.

Cater, Walker, & Son, **1366**
Machinery and Hardware Exhi-
bition and Agency, **7549**
Patent Steam Boiler Co., **9499**
Bartrum & Powell, **9795**

FENCING.

(*See Hurdles and Wire.*)

FIELD ROLLERS.

(*See Rollers.*)

FIRE-BOX, LOWMOOR IRON.

Garrett & Sons,

FLOORS FOR FARM BUILD- INGS, ASPHALTE OR CON- CRETE.

Wilkinson & Co., **4552**
Prentice, **4578**

FLOUR DRESSING MA- CHINE.

Corcoran, Witt, & Co., **6536**,
6537
Lampitt & Son, **7055**
Sanderson, **7074**
Barford & Perkins, **8864**
Dell & Son, **9252**, **9253**
Ashley & Sons, **9307**, **9308**
Houghton & Co., **9315** to **9318**
Hind & Lund, **9320**
Fiechter & Sons, **9339**
Hopkinson, **9366**
Walworth & Co., **10,146**
Whitmore & Binyon, **10,163**
Wray & Co., **10,181**
Corcoran, jun., **10,215**

Acme Reel Bar.

Lampitt & Son, **7056**

FLOUR DRESSING MA- CHINE WIRE, SILK, AND BRUSHES.

Corcoran, Witt, & Co., **6567** to
6569
Van Gelder & Apsimon, **7046**
Sanderson, **7075**
Thornton, **7436**, **7437**
Fiechter & Sons, **9340**
Corcoran, jun., **10,209** to
10,214, **10,216** to **10,220**
Amelin, **11,631**, **11,632**

FLOUR FEEDING AND MIXING MACHINE.

Gardner, **7021**
Carter, **9217**
Dell & Son, **9266**
Hind & Lund, **9321**
Hopkinson, **9363**
Walworth & Co., **10,151**

FLOUR MILLS.

(*See Mills, Corn and Grinding.*)

FLOUR MILL AND DRESS- ING MACHINE.

Lloyd & Sons, **6593** to **6596**
(*See Mills, Corn, &c.*)

FLOUR MILL, HAND POWER.Waygood & Co., **9190****FLOUR SAMPLER.**Dell & Son, **9271****FLOUR SCOOPS.**Corcoran, jun., **10,228****FLOUR TESTING SIEVES.**Dell & Son, **9296****FOOD BARROWS.**Haughton & Thompson, **938, 939**Peirce, **3684****FOOD.—CAKES AND CONDIMENTS.**Simpson & Co., **7738, 7739**Barclay, Gray & Co., **10,927 to 10,933**Baker & Sons, **10,934 to 10,936**Errington, **10,937**

Driffeld & East Riding Linseed

Cake Co., **11,008, 11,009**Gilbertson & Page, **11,010**Phoenix Oil Mill Co., **11,011 to 11,017**Pearson, **11,018 to 11,022**Phoenix Cake Mills, **11,033 to 11,037**Spratt's Patent, **11,038 to 11,047**Matthews, Son, & Co., **11,063 to 11,065**Ayres, Chambers, & Ayre, **11,069 to 11,082**Barr & Co., **11,084 to 11,087**Clarke, **11,088 to 11,091**Hope, Ash, & Sons, **11,092 to 11,095**Spouncer & Co., **11,097 to 11,099**Thorley, **11,100**Agricultural and Horticultural Association, **11,101, 11,102**Beach & Co., **11,110, 11,111**Amies Chemical Manure Co., **11,207 to 11,214**MacDougal, Brothers, **11,552, 11,553**Tipper & Son, **11,602 to 11,604**Friestedt, **11,636****FOOD PREPARING APPARATUS.***(See Boilers for Food).***FORK ELEVATOR.**Yorath, **11,718****FORKS.**Spear & Jackson, **2152, 2154 to 2177**Skurray & Co., **2211**Whiting Manufacturing Company, **2539 to 2543**Cottis & Sons, **2982**Whiteside & Co., **3075**Moser & Sons, **3496**Rollins & Co., **3565 to 3568**Unite, **4226**Bastin & Co., **5811**Lloyd, Lawrence, & Co., **6120, 6121**Rogers, Brothers, **7780 to 7784***(See Barley, Digging, Hay, Manure, and Spading Forks.)***FUEL AND STEAM ECONOMISER.**Nell, **9352****FURZE OR GORSE MASTICATOR.**McKenzie & Sons, **364 to 366****GAME NETTING.***(See Wire Netting, Fencing, &c.)***GATES, POSTS, AND STILES.**Bricknell, **1349**Braggins, **1412 to 1421**Moncaster, **1432 to 1434**Dixon, **1520**Hill & Smith, **1609 to 1623, 1650 to 1661**Morton & Co., **1699 to 1745**Hydes & Wigfull, **1805 to 1814**Keay, **1980 to 1987, 2010 to 2012**Cottam & Co., **2074, 2075**Musgrove & Co., **2108, 2109**Barnards, Bishop, & Barnards, **2644, 2661**Whiteside & Co., **3072, 3073**Peirce, **3701, 3702**

GATES, POSTS, AND STILES.

Bayliss, Jones, & Bayliss, **3962**
to **3965, 3982 to 3997**
Walton, **4044 to 4047**
Main & Co., **4076 to 4089**
Abell & Co., **4429, 4430**
Rogers, Brothers, **7806, 7807**
Barford & Perkins, **8891, 8892**
Pound, **11,764, 11,765**
Coalbrookdale Company, **11,824**
to **11,829**

Field Gates.

Bricknell, **1349**
Braggins, **1417**
Moncaster, **1433**
Dixon, **1520**
Hill & Smith, **1609 to 1616**
Morton & Co., **1699 to 1705**
Hydes & Wigfull, **1807 to 1801**
Keay, **1980 to 1984**
Musgrove & Co., **2108**
Whiteside & Co., **3072, 3073**
Peirce, **3701, 3702**
Bayliss, Jones, & Bayliss, **3962,**
3987 to 3990
Main & Co., **4076 to 4079**
Abell & Co., **4429, 4430**
Rogers, Brothers, **7806, 7807**
Barford & Perkins, **8891, 8892**

Entrance Gates.

Braggins, **1412 to 1416**
Hill & Smith, **1616 to 1623,**
1650 to 1655
Morton & Co., **1711 to 1729**
Hydes & Wigfull, **1812 to 1814**
Keay, **1984 to 1987**
Cottam & Co., **2074, 2075**
Musgrove & Co., **2109**
Barnards, Bishop, & Barnards,
2644, 2661
Bayliss, Jones, and Bayliss,
3991 to 3997
Walton, **4044 to 4047**
Main & Co., **4083 to 4086**
Pound, **11,764, 11,765**
Coalbrookdale Company, **11,824**
to **11,829**

Wicket Gates and Footpath.

Braggins, **1419 to 1421**
Moncaster, **1432, 1434**
Hill & Smith, **1656 to 1661**
Morton & Co., **1706, 1707,**
1730 to 1745
Hydes & Wigfull, **1805, 1806**

GATES, POSTS, AND STILES.

Keay, **2010 to 2012**
Bayliss, Jones, & Bayliss, **3963**
to **3965, 3984 to 3986,**
3996, 3997
Main & Co., **4080, 4081, 4087**
to **4089**

Gate and Door Fastenings and Stops.

Brenton, **243**
Phillips, **576**
Braggins, **1425**
Moncaster, **1435**
Whiteside & Co., **3078**

Gate Hangings and Hinges.

Braggins, **1422, 1423**
Cottam & Co., **2073**

GLUTEN TESTER.

Dell & Son, **9294**

GRAFTING TOOL.

Bastin & Co., **5815**

GRAIN CARGO SAMPLER.

Dell & Co., **9270**

GRAIN CLEANER AND SEPARATOR.

Bone, **456 to 459**
Harrison & Co., **7012, 7014**
Van Gelder & Apsimon, **7038,**
7040
Cutler, **7091**
Fiechter & Sons, **9332**
Nell, **9353**
Corcoran, jun., **10,208**
(See also Corn and Wheat
Cleaners.)

GRAIN DAMPING WORM.

Dell & Son, **9298**

GRAIN DRIER (CENTRIFUGAL).

Davies & Sneade, **6727**
Davey, Paxman, & Co., **10,562**

GRAIN ELEVATORS.

Corcoran, Witt, & Co., **6516,**
6517

Carter, **9214, 9215**

Simon & Son, **10,919**

Walworth & Co., **10,149**

Whitmore & Binyon, **10,162,**
10,167

(See Corn Elevators.)

GRAIN MEASURING AND WEIGHING MACHINES.

Hall, **1867 to 1873**

(See also Corn Measures.)

GRAIN STORE, CORRUGATED IRON.

Main & Co., **4103**

GRAIN, WORM CONVEYOR FOR.

Corcoran, Witt, & Co., **6559**

Dell & Son, **9293**

Hind & Land, **9323**

GRANARY, PORTABLE.

Perkins & Bellamy, **1932.**

Reeves & Son, **6236**

GRASS SEED DISTRIBUTOR.

Bristol Waggon Works Co.
4287

(See Broadcast Sowing Machines.)

GRASS SEED DRESSING MACHINES.

Richardson, **2910**

GRAVEL CRUSHER.

James & Son, **5360**

GREASES FOR CARTS, WAGGONS, &c.

Cowdy, **775**

Poupard, **1070**

Unite, **4169**

GRINDSTONES AND GRINDING MACHINES.

Hunt & Tawell, **219**

Edmondsons & Co., **718**

Taylor & Co., **2137, 2138**

Vipan & Headly, **2728**

Handyside & Co., **2780**

Gill & Carling, **2937**

Wood, **3013**

Moser & Sons, **3478**

Rollins & Co., **3579**

Peirce, **3700**

Sawney & Co., **3769 to 3771**

Matterson, Huxley & Co., **3924,**
3825

Ransome & Co., **5733**

Bastin & Co., **5844 to 5847**

McKenzie & Sons (London),
6037

Lloyd, Lawrence, & Co., **6130**

Corcoran, Witt, & Co., **6572**

Hughes & Sons, **7428**

Rogers, Brothers, **7790 to 7792**

Orme & Co., **7934**

Smith & Son, **8717, 8718**

Smith & Grace, **8758 to 8761**

Dell & Son, **9278**

Bateman & Co., **9414 to 9418**

Olley & Co., **10,404 to 10,407**

GRINDSTONE DRESSER.

Bateman & Co., **9416**

GRUBBERS. (See Horse Hoes.)**GRUBBER, SUBSOIL, AND RIDGING PLOUGH.**

Corbett & Peele, **4781**

GRUEL COOKER.

Simpson & Co., **7740**

GUANO CRUSHER AND PULVERISER.

Dunston Engine Works Co.,
9921

HALTERS AND HALTER REINS.

Poupard, **1071 to 1073**

Piggott, Brothers, **1678**

HAND AND GAPPING DRILL.

Holmes & Sons, **19**
 Le Butt, **537, 538**
 Bobby, **3197**
 Kell, Meats, & Co., **3392**
 Page & Girling, **4530**
 Murton & Turner, **5139 to 5142**
 Gower & Son (Market Drayton),
5195, 5196
 Bird, **5214 to 5216**
 Gower & Son (Winchfield), **5247**

HAND AND OTHER HOISTS.

(*See Jack Hoists and Lifters.*)

HAND HOES.

Linacre, **2224**
 Whiting Manufacturing Co.,
2546

HAND RAKES.

Jeffery & Blackstone, **498, 499**
 Whiting Manufacturing Co.,
2546
 Vipani & Headly, **2739**
 Rollins & Co., **3569**
 Peirce, **3864**
 Bastin & Co., **5812**
 Sharman & Ladbury, **7761**

Wheel Hand Rake.

Jeffery & Blackstone, **498**
 Peirce, **3863**

HARNESS AND SADDLE-ROOM FURNITURE AND FITTINGS.

Cottam & Co., **2050 to 2053**
 Musgrove & Co., **2098**
 Barnards, Bishop, & Barnards,
2642
 St. Pancras Iron Works Co.,
3809, 3810

HARNESS AND SADDLERY.

Poupard, **1078 to 1080**
 Fairholme & Co., **5804**
 Champion & Wilton, **8017 to 8048**

HARNESS ROOM STOVES.

Musgrove & Co., **2106**

HARROWS AND DRAGS.

Ransomes, Sims, & Head, **161, 162**
 Hunt & Tawell, **211 to 213**
 Gatward, **1389 to 1396**
 Taylor & Co., **2136**
 Vipani & Headly, **2683 to 2687**
 Handyside & Co., **2781 to 2787**
 Laidlaw & Co., **2791, 2792**
 Nicholson & Son, **2856 to 2862**
 Gill & Carling, **2959 to 2961**
 Cottis & Sons, **2984 to 2986**
 Maldon Iron Works Co., **3253 to 3257**
 Bentall & Co., **3304**
 Kell, Meats, & Co., **3406 to 3411**
 Peirce, **3659**
 Sawney & Co., **3765, 3766**
 Cichowski, **4132**
 Ball & Son, **4325 to 4327, 4330 to 4332**
 Page & Girling, **4528**
 Corbett & Peele, **4751, 4752**
 Denton, **4786 to 4796**
 Page & Co., **4822 to 4829**
 Picksley, Sims, & Co., **4996 to 5000**
 Murray & Co., **5113**
 Murton & Turner, **5138**
 Whitehouse, **5146**
 Rainforth & Sons, **5260 to 5270**
 Bastin & Co., **5834**
 Clay, **6766 to 6770, 6773**
 Sharman & Ladbury, **7760**
 Newall & Ogilvie, **8065 to 8069, 8072, 8073**
 Perkins, Paternoster, & Burlingham, **8545 to 8551**
 Innes, **8564 to 8567**
 Powell, Smith, Lamb, & Co.,
8586
 Wholey, **8616, 8617**
 "Gem" Horse Rake & Implement Co., **8628**
 Pick & Baker, **8677 to 8683, 8688 to 8690**
 Larkworthy & Co., **8767 to 8802 to 8814**
 Lewis & Son, **8977**
 Sellar & Son, **8999**
 Denning & Co., **9008, 9009**
 Howard, **9108 to 9121**
 Johns, Brothers, **9138 to 9140**
 Roberts & Co., **9430**
 Bartlett, **10,328 10,329**
 Underhill, **10,774, 10,775 8787**

HARROWS AND DRAGS.*Chain Harrows.*

Keay, **2014, 2015**
 Vipian and Headly, **2686, 2687**
 Peirce, **3660**
 Bayliss, Jones, & Bayliss, **4033**
 to **4035**
 Ball & Son, **4327**
 Corbett & Peele, **4782**
 Denton, **4786** to **4793**
 Picksley, Sims, & Co., **4999,**
 5000
 Newall & Ogilvie, **8065** to **8069**
 Perkins, Paternoster, & Burling-
 ham, **8551**
 Dening & Co., **9009**
 Howard, **9119** to **9121**

Chisel Harrows and Cultivators.

Clay, **6767** to **6770**

Harrow and Cultivator.

Murton & Turner, **5138**

Norwegian Harrow.

Clay, **6773**

Seed Harrows.

Handyside & Co., **2785** to **2787**
 Gill & Carling, **2959, 2960**
 Maldon Iron Works Co., **3253,**
 3254
 Ball & Son, **4325, 4326**
 Page & Co., **4827**
 Whitehouse, **5147, 5148**
 Perkins, Paternoster, & Burling-
 ham, **8548**
 Innes, **8566**
 Pick & Baker, **8690**

**HARVESTERS AND SELF-
BINDER HARVESTERS.**

Waite, Burnell, Huggins, & Co.,
 32
 Hornsby & Sons, **52**
 Edmondsons & Co., **711**
 Kearsley, **2824**
 Wood, **3005, 3006**
 Johnston Harvester Co., **3058,**
 3062
 Whiteside, **3064**

Sheaf Binder Attachment.

Johnston Harvester Co., **3063**

HAY DRYING APPARATUS.

Woods, Cocksedge, & Warner,
 8158
 Gibbs, **11,334** to **11,336**

HAY ELEVATOR.

Maldon Iron Works Co., **3208**
 McKenzie & Sons (London),
 6038
 Cottrell & Co., **6340, 6341**

(*See also Corn and Straw
Elevators.*)

HAY FORKS.

Spear & Jackson, **2154** to **2157,**
 2159, 2161 to **2164**
 Whiting Manufacturing Co.,
 2539, 2540
 Whiteside & Co., **3075**
 Rollins & Co., **3565, 3566**
 Lloyd, Lawrence, & Co., **6121**
 Rogers, Brothers, **7784**

HAY KNIVES.

Skurray & Co., **2211**
 Linacre, **2218**
 Whiting Manufacturing Co.,
 2545
 Moser & Sons, **3499**
 Lloyd, Lawrence, & Co., **6128**

**HAY-MAKING MACHINES,
COLLECTORS, AND ELE-
VATORS.**

Holmes & Sons, **7**
 Ransomes, Sims, & Head, **163,**
 164
 Reading Iron Works Co., **314**
 Jeffery & Blackstone, **482** to
 490
 Le Butt, **529**
 Taylor & Co., **2119**
 Beare & Sons, **2816, 2817**
 Nicholson & Son, **2848** to
 2853
 Logan & Elder, **2906**
 Boby, **3172** to **3175**
 Williams & Son, **4902, 4903**
 Picksley, Sims, & Co., **5025** to
 5028
 Carson & Toone, **6232**
 Reeves & Son, **6233, 6235**
 Rogers, Brothers, **7813, 7814**
 Bamford & Sons, **8393** to **8395,**
 8431

**HAY-MAKING MACHINES,
COLLECTORS, AND ELE-
VATORS.**

Perkins, Paternoster, & Burling-
ham, **8543**
Denning & Co., **9005**
Howard, **9128, 9129**
Ruston, Proctor, & Co., **10,455**

HAY PRESS.

Samuelson & Co., **291**
Rollins & Co., **3552**
Ladd & Co., **10,783** to **10,785**
Wohl & Co., **11,868**

HAY RACKS.

Cottam & Co., **2020, 2026,**
2039
Musgrove & Co., **2091**
Barnards, Bishop, & Barnards,
2643
Matterson, Huxley, & Watson,
3822
Bayliss, Jones, & Bayliss, **4003**

HAY ROPE.

Unite, **4179**

**HAY SHED, CORRUGATED
IRON.**

Main & Co., **4102**

HAY SHEETS.

Piggott, Brothers, **1667**
Edgington, F. & Co., **11,340,**
11,341

**HAY STACKS, COVERING
FOR.**

(*See Rick Cloths.*)

**HEDGE CUTTING AND
TRIMMING MACHINE.**

Hornsby & Sons, **51**
Ridgway, **2076** to **2078**

**HEDGING AND DITCHING
BOOTS.**

Anderson, Abbott, & Anderson,
984

HENS' NESTS, PORTABLE.

Thomas & Co., **2325** to **2327**

HOES, FIELD.

Linacre, **2224**
Whiting Manufacturing Co.,
2546

HOE SHARES.

Linacre, **2225**
Barnard & Lake, **8675, 8676**

HOG TROUGHS.

Hunt & Tawell, **223** to **226**
Albion Iron Works Co., **1254** to
1256
Maldon Iron Works Co., **3241**
to **3244**
Peirce, **3726**
Picksley, Sims, & Co., **5010**
Burnley & Co., **7618, 7619**
(*See Pig Troughs.*)

HOOKS FOR REAPING.

Linacre, **2215** to **2217**

HOP BAGGING MACHINE.

Cheale & Sons, **227**

HOP CULTIVATORS.

Vipan & Headly, **2740**
Weeks & Son, **2815**
Coleman & Morton, **4915**
Tindall, **8451**

HOP DRYING COCKLE.

Weeks & Son, **2814**

HOP KILN DRYING CLOTHS

Corcoran, Witt, & Co., **6575**

HOP NIDGETS.

Weeks & Son, **2810**
Cottis & Sons, **2978**
Tindall, **8452, 8453**

HOP POLE DIPPING TANK.

Weeks & Son, **2813**
Bellamy, **8345**

HOP PRESSER & WEIGHER.

Balls, Garrett, & Co., **29**
Weeks & Son, **2804, 2805**

HOP ROLLER.Cheale & Sons, **228 to 230****HOP SKIM.**Weeks & Son, **2809****HOP SULPHURING
MACHINE.**Balls, Garrett, & Co., **31**
Weeks & Son, **2806, 2808****HOP SYRINGING MACHINE.**Coleman & Morton, **4926****HOP WASHING MACHINE.**Weeks & Son, **2811****HORSE CLOTHING, RUGS,
AND NOSEBAGS.**Phillips, **566, 570**
Peck, **604, 605**
Anderson, Abbott, & Anderson,
974
Poupard, **1051, 1052, 1081**
Piggott, Brothers, **1668, 1669**
Edgington, **3847 to 3849**
Unite, **4166, 4167, 4174 to**
4176**HORSE GEARS, POWERS,
AND INTERMEDIATE
MOTIONS.**Hunt & Tawell, **177 to 181**
Reading Iron Works Co., **305**
McKenzie & Sons, **369**
Jeffery & Blackstone **513, 514**
Turner, **760 to 765**
Tasker & Sons, **1125**
Albion Iron Works Co., **1226 to**
1229
Gatward, **1377**
Vipan & Headly, **2727**
Nicholson & Co., **2863 to 2868**
Harrison, McGregor & Co., **3149**
to 3151
Maldon Iron Works Co., **3198**
to 3206
Lister & Co., **3314, 3315**
Eckert, **4124**
Corbett & Peele, **4729**
Denton, **4804**
Page & Co., **4850**
Williams & Son, **4889 to 4891**
Picksley, Sims, & Co., **4995****HORSE GEAR, POWERS,
AND INTERMEDIATE
MOTIONS.**Carson & Toone, **6206, 6207**;
Cottrell & Co., **6342**
Warner & Sons, **7457 to 7459**
Rogers, Brothers, **7775**
Newall & Ogilvie, **8070, 8071**
Woods, Cocksedge, & Warner,
8133 to 8137.
Turner, **6174**
Powell, Bros. & Whitaker, **8200**
to 8202
Bamford & Sons, **8372 to 8375**
Stacey & Sons, **8464**
Wilder, **8482 to 8485**
Richmond & Chandler, **8516 to**
8518
Perkins, Paternoster, & Burling-
ham, **8532 to 8534**
Larkworthy & Co., **8796**
Barford & Perkins, **8844**
Denning & Co., **9010 to 9112**
Johns, Brothers, **9141, 9142**
Watson & Haig, **9163**
Roberts, **9427**
Williamson, Brothers, **9592 to**
9595
Wallis & Steevens, **9906, 9908**
Weighell, **10,134**
Humphries, **10,493**
Clayton & Shuttleworth, **10,541***Horse Gear for Deep Well.*Turner, **6174***Pony Gears.*Nicholson & Son, **2863**
Harrison, McGregor, & Co.,
3148
Maldon Iron Works Co., **3203**
Williams & Son, **4888**
Picksley, Sims, & Co., **4994**
Reeves & Son, **6234**
Warner & Sons, **7460, 7461**
Newall & Ogilvie, **8070**
Woods, Cocksedge, & Warner,
8133
Bamford & Sons, **8372**
Perkins, Paternoster, & Burling-
ham, **8532.**
Denning & Co., **9010**
Bartlett, **10,327**
Humphries, **10,493**
Clayton & Shuttleworth, **10,541**
Barrows & Stewart, **10,741**

HORSE-GROOMING MA- CHINES.

Newton, Wilson, & Co., 808,
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HORSE-HAMMOCK FOR RAISING SICK HORSES.

Piggott, Brothers, 1679
Unite, 4228

HORSE HOES AND GRUB- BERS.

Holmes & Sons, 18
Baker, J. L., & Co., 244, 245
Allcock, 376
Garrett & Sons, 478
Albion Iron Works Co., 1218,
1221 to 1223
Gatward, 1397 to 1400
Vipan & Headly, 2689 to 2694
Gill & Carling, 2953 to 2955
Cottis & Sons, 2975 to 2977,
2980
Maldon Iron Works Co., 3250
Sinkwell, 3338
Baker, T. 3358
Kell, Meats, & Co., 3400, 3405
Ball & Son, 4333, 4334
Page & Gisling, 4526
Corbett & Peele, 4772, 4774 to
4776
Denton, 4801 to 4803
Page & Co., 4831 to 4833
Woolnough & Co., 4951 to
4956
Davey, Sleep, & Co., 5104
Murray & Co., 5114
Murton & Turner, 5133 to 5137
Whitehouse, 5144
Gilbert, 5156
Coultas, 5174, 5175
Bird & Co., 5210, 5212
Rainforth & Sons, 5271 to 5274
Carson & Toone, 6213 to 6218
Clay, 6771, 6772
Maynard, 7559
Randell, 8441, 8442
Warren, 8612, 8613
Barnard & Lake, 8656 to 8661
Pick & Baker, 8685 to 8687
Smith & Son, 8707 to 8714
Smith & Grace, 8736 to 8739
Larkworthy & Co., 8794, 8795
Campion, 8819
Armitage & Ruston, 8940
Lewis & Son, 8958 to 8965.

HORSE HOES AND GRUBBERS.

Brown & Son, 8983 to 8986
Reid & Co., 9033, 9034
Riches & Watts, 10,519
Underhill, 10,771, 10,772,
10,773

Horse Hoe and Banker.

Davey, Sleep, & Co., 5104
Reid & Co. 9034

Horse Hoe with Harrow.

Baker, T., 3358
Underhill, 10,772

Horse Hoe and Potato Raiser.

Bird & Co., 5212

Horse Hoe, Ridging Plough, and Potato Raiser.

Maldon Iron Works Co., 3250
Corbett & Peele, 4774.

Horse Hoe for Thinning Turnips.

Murray & Co., 5114

Pony Hoe.

Cottis & Sons, 2975

Tom Body for attaching to Horse Hoes.

Cottis & Sons, 2983

HORSE MEASURES.

Davis & Co., 11,456

HORSE PITCHFORKS AND ELEVATORS.

Coleman & Morton, 4931, 4932

HORSE RAKES.

Waite, Burnell, Huggins, & Co.,
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Ransomes, Sims, & Head, 165 to
170
Hunt & Tawell, 216
Reading Iron Works Co., 315,
316
Allcock, 374, 375
Jeffery & Blackstone, 491 to
497
Edmondsons & Co., 716
Houghton & Thompson, 931,
933.

HORSE RAKES.

Tasker & Sons, 1135 to 1137
 Albion Iron Works Co., 1230 to 1241
 Gatward, 1410, 1411
 Taylor & Co., 2120
 Nicholson & Son, 2839 to 2847
 Bobby, 3176, 3177
 Maldon Iron Works, 3251
 Sinkwell, 3337
 Kell, Meats, & Co., 3412
 Rollins & Co., 3550, 3551
 Bristol Waggon Works Co., 4268, 4269
 Page & Girling, 4529
 Corbett & Peele, 4785
 Page & Co., 4820, 4821
 Picksley, Sims, & Co., 5029
 Davey, Sleep, & Co., 5105
 Maynard, 7557
 Keyworth & Co., 8361
 Bamford & Sons, 8396 to 8399
 Perkins, Paternoster, & Burlingham, 8539 to 8542
 Powell, Smith, Lamb, & Co., 8580 to 8583
 Baker, W. P., 8606 to 8611
 Wholey, 8615
 "Gem" Horse Rake & Implement Co., 8620 to 8623
 Burys & Co., 8952
 Howard, 9122 to 9127
 Riches & Watts, 10,504,

HORSE TROUGHS.

Barnards, Bishop, & Barnards, 2633
 (*See Cattle Troughs.*)

HOT-AIR ENGINES FOR DRIVING MACHINERY.

Le Grand & Sutcliffe, 9572.
 Hayward, Tyler, & Co., 9618 to 9620
 Hock & Co., 10,850
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HURDLES, RAILING, FENCING AND PALISADING.

Hunt & Tawell, 217, 218
 Moncaster, 1426 to 1430, 1437 to 1442
 Dixon, 1514 to 1518
 Hill & Smith, 1531 to 1581, 1583 to 1586, 1588, 1589

HURDLES, RAILING, FENCING AND PALISADING.

Morton & Co., 1688 to 1698, 1746 to 1774, 1783 to 1788
 Hydes & Wigfull, 1787 to 1804
 Keay 1956 to 1973
 Barnards, Bishop, & Barnards, 2638 to 2641, 2645 to 2649
 Whiteside & Co., 3071
 Peirce, 3703, 3704
 Bayliss, Jones, & Bayliss, 3864 to 3961, 3966 to 3981
 Main & Co., 4048 to 4069, 4072 to 4075, 4091 to 4095, 4100, 4101
 Glover & Sons, 4520
 Crump, 4655 to 4662
 Rogers, Brothers, 7809, 7810
 Reid & Co., 9044
 Underhill, 10,782
 Coalbrookdale Co., 11,830 to 11,844

Entrance Gates and Wickets.

(*See Gates, Posts, and Stiles.*)

Standards for Fencing.

Dixon, 1523

Step Ladders for Fences.

Bayliss, Jones, & Bayliss, 3983
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HYDRAULIC TEST PUMPS.

Tangye, Brothers, 9469
 Blanche & Co., 10,303
 Schäffer & Budenberg, 10,311, 10,312

INDIAN CORN CRUSHERS.

Lloyd & Sons, 6607 to 6609

INDIAN CORN AND MAIZE SHELLER.

Pick & Baker, 8704

INSPIRATORS FOR FEEDING STEAM BOILERS, &c.

Hancock Inspirator Co., 658 to 678, 681 to 683

IRRIGATING PUMP.

Selig Sountenthal & Co., 4601

IRRIGATING WATER BRUSHES.

Sheath, Brothers, **913**

KILN WIRE.

Dell & Son, **9301**
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LAMB CREEPS AND HURDLES.

Hunt & Tawell, **218**
Gatward, **1403, 1404**
Maldon Iron Works Co., **3252**
Carson & Toone, **6230, 6231**
Innes, **8572, 8573**

LAMB CRIBS.

Sinkwell, **3329, 3330**

LAMB TROUGHS.

Treggon & Co., **2533**
Crump, **4651**

LAND MEASURING MACHINE.

Davis & Co., **11,462**

LAND PRESSER AND DRILL.

Cheale & Sons, **231**

LAND ROLLS & PRESSERS. (*See Rollers.*)

LIFTING AND SCREW JACKS.

Lister & Co., **3317, 3318**
Moser & Sons, **3479**
Balland, **4335 to 4337**
Abell & Co., **4428**
Walker, **5202**
Ransome & Co., **5748 to 5751,**
5797
Cottrell & Co., **6349, 6350**
Orme & Co., **7953**
Robey & Co., **8909, 8927**
Tangye, Brothers, **9468, 9470,**
9477
Williamson, Bros., **9596, 9597**
Ley, **9696**
Marshall and Sons, **10,437,**
10,438
Humphries, **10,498**

LIFTING AND SCREW JACKS.

Clayton & Shuttleworth, **10,546**
to **10548**
Darby, **10,715 to 10,718**
Barrows & Stewart, **10,742,**
10,743

LINSEED CRUSHING ROLLS.

Davies & Sneade, **6752**

LIQUID MANURE CARTS AND DISTRIBUTORS.

Baker, T., **3364, 3366, 3367**
Coleman & Morton, **4917, 4918,**
4920
Affleck, **5287 to 5290**
Osmond, **5332 to 5338**
Cannings, **5341 to 5344**
James & Son, **5355, 5356**
Reeves & Sons, **6247 to 6252**
Warner and Sons, **7455, 7456**
Woods, Cocksedge, & Warner,
8159
Randell, **8433, 8434**
Campion, **8817**
Howard, **9078**
Noel, **9152**

Cart Body.

Burney & Co., **7577**

LIQUID MANURE PUMPS.

Hydes & Wigfull, **1813 to 1825**
Gill & Carling, **2935**
Sabatier & Co., **2503**
Baker, T., **3365**
Rollins & Co., **3573**
Peirce, **3675**
Selig, Sonnenthal, & Co., **4601**
James & Son, **5357 to 5359**
Bastin & Co., **5849**
Reeves & Son, **6253 to 6256**
Corcoran, Witt, & Co., **6521**
Ingold, **7407 to 7410**
Warner & Sons, **7449 to 7454**
Rogers, Brothers, **7824 to 7826**
Orme & Co., **7935**
Turner, **8166, 8173**
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9664
Evans & Sons, **9871 to 9875**

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Richmond & Chandler, 8515

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Garrett & Sons, 460

Aveling and Porter, 3097 to
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Marshall & Sons, 10,413, 10,414

Ruston, Proctor, & Co., 10,445,
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Bagnall, 10,609, 10,610

Savage, 10,669

Allchin, 10,719

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Hancock Inspirator Co., 669 to
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LOCOMOTIVE ROAD ENGINES.

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LUBRICATING OILS, &c., FOR MACHINERY.

Cowdy, 774

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Corcoran, Witt, & Co., 6575

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Hancock Inspirator Co., 704

White & Co., 705 to 707, 709

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Hands & Sons, 9767 to 9775

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Schäffer & Budenberg, 10,316

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Willcox & Co., 811 to 815, 817

Hepburn & Gale, 826 to 832

Webb & Son, 841 to 857, 861,
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Sheath, Brothers, 902 to 907

Anderson, Abbott, & Anderson,
951 to 954

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Poupard, 1069

Staynes & Sons, 1088 to 1094

Norris & Co., 1107 to 1117,
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bition & Agency, 7507

Dell & Son, 9281

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Olley & Co., 10,406

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Preller Leather Co., 11,112 to
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Hutchinson & Co., 11,141 to
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Belting Syrup (Glutinous).

Hepburn & Gale, 836

Cerofilium Belts.

Anderson, Abbott, & Anderson,
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Gut Bands and Fasteners.

Phillips, 586

Harbord, 1049

Corcoran, Witt, & Co., 6575

Corcoran, jun., 10,247

India-Rubber & Gutta Percha.

Cowdy, 772, 773

Willcox & Co., 81

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India-rubber and Gutta Percha.

Alexander, Abbott, & Anderson,
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Hutchinson and Co., 11,160,
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Willcox & Co., 876
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Norris & Co., 1118
Corcoran, Witt, & Co., 6575
Dell & Son, 9286
Corcoran, jun., 10,247
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Strap Fasteners and Screws.

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White & Co., 710
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Webb & Co., 861
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Staynes & Sons, 1106
Corcoran, Witt, & Co., 6575
Dell & Son, 9285, 9297
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Staynes & Sons, 1105
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MALT HAVELLER.

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MALT HOISTING APPARATUS.

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MALT KILN FURNACE.

Corcoran, Witt, & Co., 6539

MALT KILN GAUGE RODS.

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MALT KILN GRAIN CARRIER.

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MALT KILN TILES.

Corcoran, Witt, & Co., 6552

MALT KILN WIRE FLOOR.

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Corcoran, Witt, & Co., 6549

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Hornsby & Sons, 98
Garrett & Sons, 476, 477
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4264 to 4266
Woolnough & Co., 4947
Smyth & Sons, 5095
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DRILLS.**

Whiting Manufacturing Co., 2544
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Spear & Jackson, 2152, 2160,
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Whiting Manufacturing Co.,
2541, 2542
Whiteside & Co., 3705
Rollins & Co., 3567
Lloyd, Lawrence, & Co., 6120
Rogers, Brothers, 7780, 7783

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Gill & Carling, 2946

MANURE SCOOPS.

Bastin & Co., 5817 to 5819

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Penney & Co., 4674
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Sanitary Appliance Co., 7721
Packard & Co., 10,943
Prentice, Bros., 10,944 to 10,959
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Lawes' Chemical Manure Co.,
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Goulding, 10,971 to 10,976
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10,992
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mical Manure Co., 11,006
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11,191
Amies Chemical Manure Co.,
11,192, 11,193
Webb & Co., 11,194 to 11,206,
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Farmer & Co., 11,279 to 11,288
Morris & Griffin, 11,289 to
11,295
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Langdale's Chemical Manure Co.,
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Edgington, F., & Co., 11,349 to
11,353
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Croggon & Co., 1006 to 1010

Sabatier, 2506

Treggon & Co., 2520

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MEASURING MACHINES, AUTOMATIC.

Hall, 1871 to 1873

MIDLINGS DUSTING MACHINES.

Dell & Son, 9254

Houghton & Co., 9315

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Corcoran & Co., 6522, 6533

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Houghton & Co., 9315

Fiechter & Sons, 9327 to 9329

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Walworth & Co., 10,145

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Fiechter & Sons, 9330, 9331

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Vipan & Headly, 2731 to 2738

Alway & Sons, 6084 to 6093,

6110 to 6112, 6118

Gillings, 6152 to 6164

Potter, 7106

MILK CANS & CARRIAGES, MILK PERAMBULATORS AND TRUCKS.

Vipan & Headly, 2736 to 2738

Peirce, 3694, 3695

Hill, 4370, 4371

Alway & Sons, 6114 to 6117

Bamford & Sons, 8407 to 8410

Campion, 8827, 8828

MILK PAILS, PANS, AND TUBS.

Peirce, 3696

Alway & Sons, 6105 to 6108, 6118

Lloyd, Lawrence, & Co., 6126, 6127, 6141

Gillings, 6165 to 6167

Wilkins and Son, 6183 to 6185

Bell & Co., 8261, 8262

MILK REFRIGERATORS.

Alway & Sons, 6102 to 6104

Ahlborn, 4153 to 4156

Lawrence & Co., 10,331 to 10,339

MILK STRAINERS AND MEASURES.

Alway & Sons, 6118

Lloyd, Lawrence, & Co., 6122

Gillings, 6169

MILK YOKES AND STRAPS.

Alway & Sons, 6113

Duffield, sen., 6146

MILKING MACHINE.

Bowick Patent Milking Machine Co., 6081 to 6083

MILLS.*Apple Mill and Corn Bruiser.*

Denning & Co., 9013.

Bean and Maize Mills.

Hunt and Tawell, 194, 196, to 198

Turner, 744, 746, 750, 753 to 757

Maldon Iron Works Co., 3222

Bentall and Co., 3281

Peirce, 3672

MILLS.*Bean and Maize Mills.*

Picksley, Sims, & Co., 4974,
4975
Lloyd & Sons, 6607 to 6609
Woods, Cocksedge, & Warner,
8156
Pick & Baker, 8699, 8700
Smith & Grace, 8745

Barley Mills.

Lloyd & Sons, 6610, 6611

Bone Mills.

(See Bone Crushers and Bone Dust Mills.)

Combined Bean and Oat Mills.

Hunt & Tawell, 196
Bentall & Co., 3282, 3283
Peirce, 3672
Picksley, Sims, & Co., 4972,
4973
Smith & Grace, 8743
Hind & Lund, 9325

Corn Mills.

Ransomes, Sims, & Head, 116,
117
Turner, 735 to 741
Barnards, Bishop, & Barnards,
2636
Vipan & Headly, 2721 to 2725
Eckert, 4126
Corcoran, Witt, & Co., 6528,
6529
Armitage & Itter, 6580 to 6582
Lloyd & Sons, 6598 to 6602
Lampitt & Son, 7057
Newall & Co., 8077
Woods, Cocksedge, & Warner,
8131, 8132
Barford & Perkins, 8851 to
8858, 8860 to 8863
Robey & Co., 8906, 8921
Denning & Co. 9013
Weighell, 10,129 to 10,132
Hald & Co., 10,136, 10,137
Whitmore & Binyon, 10,157
Ruston, Proctor, & Co., 10,457,
10,458
Nickerson, 10,728
Barrows & Stewart, 10,738

(See Flour, Grinding, and Grist Mills.)

MILLS.*Crushing and Bruising Mills.*

Hunt & Tawell, 199, 200
Reading Iron Works, Co., 308,
309
Turner, 742 to 759
Peirce, 3672
Picksley, Sims, & Co., 4971 to
4975
Cottrell, 6343, 6344
Woods, Cocksedge, & Warner,
8124 to 8128, 8130
Denning & Co., 9013
Powis, Carter, & Morris, 10,006
Simon, 10,138, 10,139
Whitmore & Binyon, 10,186
(See Corn Crushers and Kibblers.)

Exhaust Fan for Mills.

Van Gelder & Apsimon, 7043
Whitmore & Binyon, 10,172

Fibrous Substance Crushing and Grinding Mill.

Sherwin, 9181

Flour Mills.

Lloyd & Sons, 6593 to 6596
Sanderson, 7073
Waygood & Co., 9184
(See Corn Mills.)

Grinding and Grist Mills.

Balls, Garrett, & Co., 2728
Ransomes, Sims, & Head, 116,
117
Edwards, A., 399, 400
Turner, 737 to 741
Albion Iron Works Co., 1166 to
1176
Nicholson & Co., 2833 to 2838
Woolnough & Co., 4957
Picksley, Sims, & Co., 4976 to
4979
Armitage & Itter, 6580 to 6589
Lloyd & Sons, 6597 to 6602
Woods, Cocksedge, & Warner,
8124 to 8128
Smith & Grace, 8740 to 8742
Barford & Perkins, 8859, 8860
Carter, 9213
Dell & Son, 9239, 9240
Hands & Sons, 8746
Brinjes & Goodwin, 9820
Simon, 10,140

MILLS.

Grinding and Grist Mills.

Buckholz & Co., 10,189 to
10,192
Campbell & Co., 10,268, 10,269
Hempsted & Co., 10,480
Riches & Watts, 10,511 to
10,518
Hindley, 10,582
Corbett, 10,745 to 10,747

Grain Mill.

Selig, Sonnenthal, & Co., 4585

Hand Roller Mill.

Buckholz & Co., 10,198

Indian Corn and Maize Mill.

(See *Bean and Maize Mills.*)

Malt Mills and Crushers.

Turner, 749, 759
Cottrell & Co., 6343, 6344
Corcoran, Witt, & Co., 6545
Woods, Cocksedge, & Warner,
8128, 8129

Middlings Mills.

Corcoran, Witt, & Co., 6518,
6519
Throop, 9198, 9199
Carter, 9208 to 9211, 9213
Hopkinson, 9357
Walworth & Co., 10,148
Whitmore & Binyon, 10,165
Wray & Co., 10,183
Corcoran, jun., 10,201, 10,203

Oatmeal Mills.

Beyer, Frères, 9521

Oat Mills and Kibblers.

Hunt & Tawell, 195, 196
Turner, 749, 751
Nicholson & Son, 2833 to 2838
Maldon Iron Works Co. 8221,
3223
Bentall & Co., 8280
Peirce, 3672
Page & Co., 4844, 4845
Picksley, Sims, & Co., 4972,
4973
Woods, Cocksedge, & Warner,
8157
Pick & Baker, 8698, 8700
Smith & Grace, 8744
Barford & Perkins, 8859, 8860,

MILLS.

Oil-Cake Mills.

(See *Cake Breakers, &c.*)

Pearl Barley Mill.

Penney & Co. 4705

Post Bruising and Grinding Mill

Picksley, Sims, & Co., 4719

Roller Mills.

Simon, 10,142
Childs & Son, 10,499 to 10,501

Universal Mills.

Maldon Iron Works Co., 3225,
3227
Eckert, 4126

Magnets for Mills.

Van Gelder & Apsimon, 7054

Mill Brooms and Brushes.

Corcoran, Witt, & Co., 6575
Gardner, 7086
Dell & Son, 9303
Corcoran, jun., 10,227

Mill Furniture.

Gardner, 7037
Carter, 9219 to 9222
Dell & Son, 9306
Hind & Lund, 9326
Fiechter & Sons, 9341 to 9346

Wheat Heater.

Throop, 9203
Carter, 9218

MILLSTONES.

Dassonville, 4128 to 4180
Corcoran, Witt, & Co., 6528, to
6532
Cammell, 6588 to 6592
Davies & Sneade, 6723, 6724
Gardner, 7023 to 7026
Hughes & Sons, 7422 to 7427
Carter, 9224, to 9227
Dell & Son, 9230 to 9240
Hopkinson, 9359
Whitmore & Binyon, 10,159 to
10,160
Clarke, 10,188
Corcoran, jun., 10,194 to
10,199

Apparatus for Sacking Flour.

Dell & Son, 9276.
Whitmore & Binyon, 10,173,
10,174

MILLS.*Crane for Lifting Millstones.*

Corcoran, Witt, & Co., 6560
 Hopkinson, 9360
 Corcoran, jun., 10,230

Cup and Balls for Hanging Millstones.

Dell and Son, 9265

Diamond "Turner."

Young, 527

Elevators.

Hopkinson, 9361, 9362

Mill Picks, Bills, and Chisels

Selig, Sonnenthal, & Co., 4624
 Corcoran, Witt, & Co., 6570
 Gardner, 7030, 7036
 Van Gelder & Apsimon, 7053
 Dell & Son, 9276
 Corcoran, jun., 10,221

Millstone Brush.

Hind & Lund, 9322

Millstone Cement.

Van Gelder and Apsimon, 7049
 Dell & Son, 9280
 Corcoran, jun., 10,206

Millstone Dresser.

Harrison & Co., 7022
 Van Gelder & Apsimon, 7042
 Dell & Son, 9274
 Fiechter & Sons, 9337, 9338

Millstone Driver.

Harrison & Co., 7020
 Throop, 9201

Millstone Exhaust.

Van Gelder & Apsimon, 7043
 Whitmore & Binyon, 10,172

Millstone Feeder.

Corcoran, Witt, & Co., 6576
 Throop, 9201
 Dell & Son, 9261, 9264

Millstone Feeder, Wheat Cleaner, and Polisher.

Dell & Son, 9261

MILLS.*Millstone Furrowing Machine.*

Carter, 9223
 Corcoran, jun., 10,204

Millstone Polisher.

Young, 528
 Corcoran, jun., 10,207

Millstone Provers and Staffs.

Corcoran, Witt, & Co., 6564,
 6565
 Gardner, 7028, 7029
 Dell & Son, 9291, 9292
 Corcoran, jun., 10,224, 10,225

Millstone Rubber.

Van Gelder & Apsimon, 7048
 Corcoran, jun., 10,207

Millers Scales, &c.

Corcoran, jun., 10,231

Millers Spectacles.

Coacorran, jun., 10,226

Speed Indicator.

Dell & Son, 9268, 9269

Sponge Cloths.

Dell & Son, 9299

MODELS OF AGRICULTURAL IMPLEMENTS AND APPLIANCES.*Artificial Manure Manufactures.*

Packard & Co., 10,943

Automatic Grain Scale.

Pooley, 6816

Barrel Churns.

Waide, 5917
 Hathaway, 6196

Blower.

Thwaites & Carbutt, 10,895

Dairy Plans.

Thomas & Taylor, 6461

Dairy with Steam or Horse Power.

MODELS OF AGRICULTURAL IMPLEMENTS AND APPLIANCES.

Direct Acting Pumping Engine.

Tangye, Brothers, 9457

Double Circulating Boiler.

Coleman & Morton, 4936

Drum Guard for Thrashing Machines.

Innes, 8576

Hay Dryer.

Gibbs, 11,334, 11,336, 11,337

Hoist and Lift.

Thomas, 9710

Iron Rick Covering.

Brenton, 242

Milk Vans, Station and Delivery.

Gillings, 6171, 6172

Marquees, Tents, &c.

Unite, 4180

Pneumatic Malting.

Simon, 10,144

Potato Digger.

Green, 11,433

Weighbridge.

Pooley, 6817

Wire Tramway.

Bartrum & Powell, 9798

MOWER KNIFE GRINDING AND SHARPENING MACHINES.

Hornsby & Sons, 66

Denton, 4805

Ransome & Co., 5793

Rogers, Brothers, 7828

Keyworth & Co., 8362, 8363

Smith & Son, 8727

Smith & Grace, 8758, 8759

MOWING MACHINES.

Hornsby & Sons, 61 to 65

Brenton, 232 to 234

Samuelson & Co., 280 to 282

Gregory, 348

MOWING MACHINES.

Edmondsons & Co., 713, 714

Mattison, 2149

Handyside & Co., 2770, 2772, 2774

Kearsley, 2819

Burgess & Key, 2894, 2896, 2898

Logan & Elder, 2902

Brigham & Co., 2918, 2919

Wood, 3007, 3008, 3010

Johnston Harvester Co., 3059

Whiteside & Co., 3065, 3066

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Harrison, M'Gregor, & Co., 3152, 3153, 3156, 3157, 3160, 3161

Corbett & Peele, 4783, 4784

Williams & Son, 4892, 4893, 4895

Wood Mower Co., 6043, 6044

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Rogers, Brothers, 7768

Crowley & Co., 8109

Powell, Brothers, & Whitaker, 8203, 8205

Keyworth & Co., 8358

Lowcock, 8589

Howard, 9130

Combined Mowing and Reaping Machines.

(See Reaping Machines.)

Knives for Mowing Machines.

Linacre, 2221

Shafts for Mowing Machines.

Perkins, Paternoster, and Burlingham, 8552

Campion, 8815, 8816

MULTIPLEX MACHINE.

Campion, 8817

NETTING FOR FRUIT TREES.

Piggott, Brothers, 1681

NOSE BAGS.

Poupard, 1065

Piggott, Brothers, 1667

Unite, 4171

Edgington, F. & Co., 11,344,

11,345

OAT SCREEN.

Corcoran, Witt, & Co., 6544

OAT AND WEED EX-TRACTOR & SEPARATOR.

Throop, 9197

Dell & Son, 9244 to 9246

OFFAL DIVIDER AND SEPARATOR.

Dell & Son, 9258

Ashley & Son, 9309

Hopkinson, 9358

Walworth & Co., 10,150

(See Bran Dusting Machines.)

OFFICE SCREEN FOR TESTING SAMPLES.

Le Butt, 536

OIL-CAKE BREAKERS.

(See Cake Breakers, &c.)

OIL-CAKE TRUCK.

Parnell & Co., 6787

OIL-CANS, OIL FEEDERS, AND LUBRICATORS.

Edwards, 406

Hancock Inspirator Co., 704

White & Co., 705 to 707, 709

Cowdy, 777

Willcox & Co., 829, 824

Corcoran, Witt, & Co., 6575

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Kaye & Co., 7063

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Orme & Co., 7958

Dell & Son, 9277

May & Mountain, 9535, 9536

Hands & Sons, 9767 to 9775

Blanche & Co., 10,294

Schäffer & Budenberg, 10,316

PEA SCREEN.

Penney & Co., 4669

PENSTOCK.

Waller & Co., 382

PERFORATED IRON SHEETS FOR AGRICULTURAL MACHINERY.

Sabatier & Co., 2506

(See Metal Sheets, Perforated.)

PIGGERIES.

Hill & Smith, 1626

Musgrave & Co., 2103, 2104

Peirce, 3677

St. Pancras Iron Works Co.,

3804 to 3807

PIG MEAL.

(See Food, Cakes, &c.)

PIG TROUGHS.

Hunt & Tawell, 221 to 226

Albion Iron Works Co., 1250

to 1255, 1257 to 1259

Hill & Smith, 1627 to 1630

Barnards, Bishop, & Barnards,

2628, 2630

Cottis & Sons, 2987, 2988,

2991 to 2993

Maldon Iron Works Co., 3239

to 3245

Peirce, 3676, 3681, 3726

Matterson, Huxley, & Watson,

3811 to 3817

Page & Co., 4852

Picksley, Sims, & Co., 5006 to

5012

Affleck, 5297 to 5301

Brown, Brothers, 5719 to 5728

Crosskill & Sons, 6488

Rogers, Brothers, 7801

Bellamy, 8349

Lowcock, 8603 to 8606

Barford & Perkins, 8889

Fison, 10,835

PLOUGHS.

Hornsby & Sons, 68 to 89

Ransomes, Sims, & Head, 122 to

148, 150 to 156

Baker, J. L. & Co., 246 to 257

Reading Iron Works Co., 317

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Gatward, 1384, 1385

Vipan & Headly, 2667 to 2677

Laidlaw & Co., 2789, 2790

Gill & Carling, 2956 to 2958

Cottis & Sons, 2978, 2974,

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Cooks, 3017 to 3048

Maldon Iron Works Co., 3247 to

3249

Bentall & Co., 3298 to 3303

Baker, T., 3359, 8360

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Kell, Meats, & Co., 3394 to 3399

Rollins & Co., 3549

Stone & Lythall, 4038, 4039

Eckert, 4104 to 4120

Ball & Son, 4297 to 4322

Corbett & Peele, 4741 to 4750

Page & Co., 4835 to 4838

Davey, Sleep, & Co., 5099 to 5103

Murray & Co., 5110 to 5112

East & Son, 5327

Reeves & Son, 6258 to 6260

Randell, 8438

Innes, 8568, 8569

Pick & Baker, 8692 to 8696

Larkworthy & Co., 8762 to 8766

Champion, 8821 to 8824

Burys & Co., 8953

Cubitt & Son, 8955, 8956

Brown & Son, 8987

Sellar & Sons, 8995 to 8998

Howard, 9081 to 9104

Roberts, 9431 to 9433

Corbett, 10,759, 10,760

Underhill, 10,769, 10,770

Tison, 10,832, 10,833

American Ploughs.

Rollins & Co., 3549

Eckert, 4106

"Brabant" Ploughs.

Ransomes, Sims, & Head, 148

Howard, 9097, 9098

Colonial Ploughs.

Baker, J. L. & Co., 250, 251, 256, 257

Howard, 9100

Combined Corn and Mangold Plough.

Bentall & Co., 3303

Convertible Ploughs.

Hornsby & Sons, 85, 87

Convertible Ploughs, Single and Double Turn.

Campion, 8821, 8822

Cubitt & Son, 8955

Howard, 9081, 9082

PLOUGHES.

Double-Furrow Ploughs.

Hornsby & Sons, 85 to 88

Ransomes, Sims, & Head, 131 to 134, 139, 144, 145

Baker, J. L. & Co., 846 to 249

Cooke, 3014 to 3022

Eckert, 4112

Ball & Son, 4317 to 4321

Corbett & Peele, 4741

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Randell, 8438

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Burys & Co., 8953

Sellar & Son, 8996

Howard, 9090 to 9095

Roberts, 9433

Corbett, 10,759

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Fison, 10,833

Forest Ploughs.

Eckert, 4119

Four Furrow Ploughs.

Ransomes, Sims, & Head, 141

Eckert, 4116, 4118

General Purpose Ploughs.

Ransomes, Sims, & Head, 132, 133

Vipan & Headly, 2668

Cooke, 3024, 3029, 3036, 3042 to 3044, 3046, 3047

Kell, Meats, & Co., 3395, 3398

Peirce, 3658

Ball & Son, 4303

Page & Co., 4836

Reeves & Son, 6259

Peck & Baker, 8693

Sellar & Son, 8990 to 8998

Howard, 9088

Roberts, 9431, 9432

Moulding and Ridging Ploughs.

Hornsby & Sons, 82, 83

Ransomes, Sims, & Head, 137 138

Albion, Iron Works Co., 1216, 1217

Cooke, 3040, 3041

Stone & Lythall, 4038

Eckert, 4120

Ball & Son, 4316

Corbett & Peele, 4749, 4750

Peck & Baker, 8692

Larkworthy & Co., 8766

Sellar & Son, 8998

Howard, 9103

PLOUGHS.*One-Way or Turnmoest Ploughs.*

Ransomes, Sims, & Head, **136, 148, 150, 151**
 Davey, Sleep, & Co., **5099 to 5103**
 Murray & Co., **5112**
 Peck & Baker, **8696**
 Howard, **9099**

Paring Plough.

Vipan & Headly, **2677**

Plough Bodies.

Howard, **9082**

Plough Coulters or Skeiths.

Linacre, **2226**

Plough Breasts.

Spear & Jackson, **2206**

Plough Lines with Billets and Buckler.

Poupard, **1062**

Plough Shares.

Corcoran, Witt, & Co., **6548**
 Champion, **8825**

Plough Sledges and Trolly.

Gatward, **1388**
 Campion, **8818**
 Howard, **9106**
 Fison, **10,834**

Pony Ploughs.

Ransomes, Sims, & Head, **122, 152**
 Page & Co., **4838**

Potato Plough.

Howard, **9104**

Pulverizing Plough.

Howard, **9087**

Revolving Fork for Attaching to Ploughs.

Corbett & Son, **10,762**

Subsoil Ploughs.

Ransomes, Sims, & Head, **138**
 Stone & Lythall, **4039**
 Eckert, **4109 to 4111**
 Sellar & Son, **8997**
 Howard, **9089**

PLOUGHS.*Swing Ploughs.*

Hornsby & Sons, **76, 77, 81**
 Ransomes, Sims, & Head, **129**
 Cooke, **3043, 3045, 3046**
 Kell, Meats, & Co., **3397**
 Eckert, **4105**
 Corbett & Peele, **4747**
 Howard, **9085**

Three-Furrow Ploughs.

Hornsby & Sons, **89**
 Ransomes, Sims, & Head, **135, 140, 142, 146**
 Eckert, **4114, 4115, 4117**
 Ball & Son, **4322**
 Davey, Sleep, & Co., **5099**
 Howard, **9096**

Triangular Cultivating Plough.

Ransomes, Sims, & Head, **156**

Wheel Ploughs.

Hornsby & Sons, **68 to 75, 79, 80**
 Ransomes, Sims, & Head, **122 to 128, 137, 138, 147**
 Reading Iron Works Co., **317**
 Kell, Meats, & Co., **3394 to 3396**
 Eckert, **4104, 4106, 4107, 4109, 4110**
 Peck & Baker, **8692 to 8694**
 Larkworthy & Co., **8762 to 8765**
 Brown & Son, **8987**
 Sellar & Son, **8990 to 8994**

Wood Beam Ploughs.

Ransomes, Sims, & Head, **130, 151**
 Vipan & Headley, **2670 to 2675**
 Cooke, **3047**

PLUMMER BLOCKS WITH SOLE PLATES.

Hayward, Tyler, & Co., **9637**
 Chapman & Sutton, **10,117, 10,118**

PORTABLE RAILWAY, LOCOMOTIVES, AND WAGGONS, &c.

(See *Farm Railway, &c.*)

POST-HOLE DIGGER.Orme & Co., **7943****POST-HOLE RAMMER.**Le Grand & Sutcliff, **9570****POTATO CLEANER AND SEPARATOR.**Sawney, **3763, 3764****POTATO DRILL.**Powell, Smith, Lamb, & Co.,
8584**POTATO FORKS.**Spear & Jackson, **2175, 2176**
Whiting Manufacturing Com-
pany, **2543**
Cottis & Sons, **2982****POTATO HOES.**Whiting Manufacturing Com-
pany, **2544****POTATO HOOKS.**Whiting Manufacturing Com-
pany, **2544****POTATO PLANTERS.**Brigham & Co., **2920**
Murray & Co., **5107 to 5109**
Coultas, **5173**
Robinson & Co., **8979, 8980****POTATO RAISERS AND DIGGERS.**Laidlaw & Co., **2793**
Maldon Iron Works Co., **326**
Penney & Co., **46 50**
Corbett & Peele, **4774**
Bird & Co., **5212**
Machinery and Hardware Exhi-
bition and Agency, **7524**
Barnard & Lake, **8662**
Robinson & Co., **8981**
Howard, **9104**
Corbett, **10,757, 10,758****POTATO RIDDLER AND SEPARATOR.**Johnson, **1472**
Eckert, **4127**
Penney & Co., **4686**
Machinery and Hardware Exhi-
bition and Agency, **7525****POTATO WASHERS.**Bradford & Co., **6360, 6361****POULTRY HURDLES, FENCING, AND NETTING.**Johnson, **1451 to 1460**
Hill & Smith, **1633, 1634**
Keay, **2007 to 2009**
Thomas, **2303 to 2311**
Peirce, **3687, 3688**
Main & Co., **4099****POULTRY FOUNTAINS, FEEDERS, AND TROUGHS.**Croggon & Co., **1028**
Thomas & Co., **2328 to 2342**
Treggon & Co., **2516**
Barnards, Bishop, & Barnards,
2631, 2632, 2656, 2657
Cottis & Sons, **2994 to 2998**
Peirce, **3689**
Matterson, Huxley, & Watson
3818
Sharman & Ladbury, **7766**
Rogers, Brothers, **7802****POULTRY AND GAME HATCHING, REARING, AND FATTENING APPARATUS AND APPLIANCES.**Martin, **4159 to 4162**
Christy & Co., **11,423 to 11,432**
Voitellier, **11,605 to 11,609**
Roullier & Arnoult, **11,610 to 11,616****POULTRY AND GAME HOUSES AND WIRED RUN.**Thomas & Co., **2312, 2313, 2316**
Peirce, **3685, 3686**
Reynolds & Co., **11,666****POULTRY AND GAME REARING COOPS AND FEEDING RUNS.**Johnson, **1481**
Thomas & Co., **2317 to 2324**
Sharman & Ladbury, **7764****Hen's Nest, Portable.**Thomas, **2325, 2327**

RABBIT TRAPS.

Moser & Sons, 3541
Spong & Co., 11,416

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Jeffery & Blackstone, 498, 499
Whiting Manufacturing Co.,
2546
Vipan & Headly, 2739
Moser & Sons, 3497

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Hornsby & Sons, 52 to 60, 63,
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Samuelson & Co., 268 to 279
Gregory, 348, 349
Edmondsons & Co., 712
Mattison, 2148
Handyside & Co., 2776 to 2779
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Kearsley 2818 to 2823
Burgess & Key, 2888 to 2893,
2896, 2897
Brigham & Co., 2916, 2917
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3011, 3012
Johnston Harvester Co., 3056,
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Woolnough & Co., 4960
Picksley, Sims, & Co., 5014 to
5023
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bition and Agency, 7489
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Keyworth & Co., 8360
Perkins, Paternoster, & Burling-
ham, 8536 to 8538
Lowcock, 8590
Howard, 9131 to 9133

Combined Reaping and Mowing.

Hornsby & Sons, 63, 64
Brenton, 233

REAPING MACHINES.

Combined Reaping and Mowing.

Samuelson & Co., 278, 279
Gregory, 348
Edmondsons & Co., 714
Handyside & Co., 2771, 2773,
2775
Kearsley, 2818, 2820
Burgess & Key, 2895, 2897
Logan & Elder, 2901
Brigham & Co., 2916, 2917
Wood 3002, 3009
Ord & Maddison, 3050
Johnston Harvester Co., 3056,
3057
Whiteside & Co., 3067, 3068,
3070
Bamlett, 3080 to 3082
Harrison, McGregor, & Co., 3154,
3155, 3158, 3159, 3162,
3163
Peirce, 3662
Corbett & Peele, 4777
Williams & Son, 4894, 4896
Picksley, Sims, & Co., 5014 to
5019, 5021
Murray & Co., 5122, 5123
Powell, Brothers, & Whittaker,
8204, 8206
Keyworth & Co., 8359
Lowcock, 8590
Howard, 9131

Anti-Rust Composition for Knives.

Denton & Jutsum, 11,176

Ear Lifters.

Hornsby & Sons, 67
Ashley & Son, 9312

*Files for Sharpening Reaper and
Mower Knives.*

Laidlaw & Co., 2802
Rogers, Brothers, 7786

Grindstone for Reaper Knives.

Denton, 4806, 4807

Knives for Reaping Machines.

Linares, 2221

Mowing Attachment.

Wood, 3003

*Reaping Machine with Binding
Apparatus.*

Burgess & Key, 2888
Field, 2899
Hancock & Co., 4632

REAPING MACHINES.*Reaper & Mower Knife Sharpener.*

Hornsby & Sons, 66
 Denton, 4805
 Ransome & Co., 5793
 Rogers, Brothers, 7828
 Keyworth & Co., 8362, 8363
 Smith & Son, 8727
 Smith & Grace, 8758, 8759
 Bateman & Co., 9384, 9389

*Reaper and Mower Knife-Vice,
Rests and Holders.*

Brenton, 241
 Le Butt, 546
 Gatward 1402
 Bamlett, 3094
 Corbett & Peele, 4779
 Denton, 4808 to 4810
 Lowcock, 8591
 Roberts, 9434, 9435
 Hempsted & Co., 10,482

RICK BORER.

Gill & Carling, 2934

RICK CLOTHS AND WAGON COVERS.

Phillips, 552 to 562
 Peck, 596 to 601
 Sheath, Brothers, 911
 Poupard, 1060
 Piggott, Brothers, 1665, 1666
 Edgington, B., 3841 to 3843
 Unite, 4163, 4193
 Edgington, F. & Co., 11,338,
 11,339

RICK COVERING, IRON.

Brenton, 242
 Morton, 1781

RICK FRAME.

Hill & Smith, 1664

RICK STANDS.

Hill & Smith, 1624, 1625
 Keay, 2013
 Bayliss, Jones, & Bayliss, 4002

RICK YARD SACK TRUCK.

Sinkwell, 3327

ROLLERS.*Asphalte Rollers.*

Barford & Perkins, 8902 to 8904

ROLLERS.*Field or Land Roller.*

Balls, Garrett, & Co., 30
 Hunt & Tawell, 214, 215
 Haughton & Thompson, 936,
 937
 Gatward, 1378 to 1381
 Nicholson & Son, 2854, 2855
 Cottis & Sons, 2971, 2972
 Lister & Co., 3312, 3313
 Headly & Son, 3422, 3423
 Matterson, Huxley, & Watson,
 3829, 3830
 Page & Girling, 4525
 Corbett & Peele, 4757, 4758
 Denton, 4798, 4799
 Page & Co., 4818, 4819
 Murray & Co., 5115
 Newall & Ogilvie, 8063, 8064
 Randell, 8439
 Perkins, Patenoster, & Burling-
 ham, 8544
 Pick & Baker, 8897
 Larkworthy & Co., 8792, 8793
 Barford & Perkins, 8873 to
 8882
 Dening & Co., 9007
 Corbett & Son, 10,756

Roller Cylinder.

Burney & Co., 7810

Roller Bracket.

Corbett & Peele, 4759
 Denton, 4812

Roller Rings.

Corbett & Peele, 4760
 Denton, 4800

Water Ballast Rollers.

Barford & Perkins, 8873, 8874

ROOT CUTTERS.

Albion Iron Works Co., 1198 to
 1201
 Harrison, McGregor, & Co., 3136
 to 3139
 Delano & Co., 7750, 7751
 Wholey, 8618
 (See Turnip Cutters, &c.)

**ROOT CUTTERS AND
SLICERS.**

Albion Iron Works Co., 1184,
 1186, 1188, 1189, 1191 to
 1197

ROOT CUTTERS AND SLICERS

Vipan & Headly, **2717 to 2720**
 Nicholson & Son, **2880 to 2882**
 Williams & Son, **4880, 4881**
 Picksley, Sims, & Co., **4986, 4988**
 Powell, Brothers, & Whitaker, **8188 to 8190**

ROOT PULPERS AND GRATERS.

Hornsby & Sons, **90, 94 to 96**
 Hunt & Tawell, **203 to 208**
 Albion Iron Works Co., **1183, 1185, 1187, 1190, 1253**
 Vipan & Headly, **2710 to 2716**
 Nicholson & Son, **2876 to 2879**
 Gill & Carling, **2929 to 2931**
 Harrison, McGregor, & Co., **3140 to 3142**
 Maldon Iron Works Co., **3232 to 3235**
 Bentall & Co., **3295 to 3297**
 Unite, **4217**
 Page & Co., **4848, 4849**
 Williams & Son, **4875 to 4879**
 Picksley, Sims, & Co., **4983 to 4985**
 Lyon, **6282, 6283**
 Woods, Cocksedge, & Warner, **8146, 8147, 8151**
 Powell, Brothers, & Whitaker, **8191 to 8199**
 Bell & Co., **8267**
 Richmond & Chandler, **8523 to 8525**
 Lowcock, **8599**
 Barnard & Luke, **8663 to 8666, 8669 to 8671, 8673, 8674**
 Pick & Baker, **8701, 8702**
 Corbett & Son, **10,750 to 10,752, 10,754**

ROOT PULPERS, SLICERS, AND STRIPPERS.

Albion Iron Works Co., **1192 to 1197**
 Taylor & Co., **2134**
 Vipan & Headly, **2719**
 Nicholson & Son, **2882**
 Harrison, McGregor, & Co., **3143 to 3145**
 Williams & Son, **4882, 4883**
 Picksley, Sims, & Co., **4989, 4990**

ROOT PULPERS, SLICERS, AND STRIPPERS.

Woods, Cocksedge, & Warner, **8151**
 Powell, Brothers, & Whitaker **8196 to 8199**

ROOT SHREDDERS.

Maldon Iron Works Co., **3236, 3237**

ROOT SLICERS AND STRIPPERS.

Albion Iron Works Co., **1189, 1192**
 Taylor & Co., **2133**

Knives for Cutters, Pulpers and Strippers.

Linacre, **2223**

ROOT WASHERS.

Le Comte de Beaurepaire, **4133**
 Hancock & Co., **4633 to 4636**
 Penney & Co., **4679**
 Crosskill & Sons, **6486, 6487**
 Richmond & Chandler, **8519, 8520**

SACKS.

Phillips, **578, 579**
 Poupard, **1063, 1064**
 Piggott, Brothers, **1671**
 Edgington, B., **3846**
 Edgington, F. & Co., **11,346 to 11,348**

SACK BINS.

Burney, **7607**

SACK BARROWS AND HOLDERS.

Cooch, **265, 266**
 Poupard, **1068**
 Keay, **2004, 2005**
 Barnards, Bishop, & Barnards, **2653, 2654**
 Vipan & Headly, **2680, 2681**
 Kell, Meats, & Co., **3413, 3414**
 Sawney & Co., **3767**
 Unite, **4218**
 Penney & Co., **4682, 4687**
 Corbett & Peele, **4728**
 Hughes & Sons, **7433, 7434**
 "Gem" Horse Rake & Implement Co., **8625**
 Robey & Co., **8912, 8924**

SACK ELEVATOR, SHOOTER, AND LOADER.

Sinkwell, **3319 to 3321**
Perkins, Paternoster, & Burling-
ham, **8554, 8555**
"Gem" Horse Rake and Imple-
ment Co., **8624**
Lewis & Son, **8966, 8968**

SACK ELEVATORS.

Sawney & Co., **3772 to 3774**
Herbert & Sons, **5979**

SACK FILLING APPARATUS ON WHEELS.

Sinkwell, **3326**

SACK LIFTER AND LOADER

Sinkwell, **3325**
"Gem" Horse Rake and Imple-
ment Co., **8625**
Lewis & Son, **8967, 8969**

SACK HOISTS AND LIFTERS.

Moser & Sons, **3512**
Penney & Co., **4680, 4681**
Ransome & Co., **5744**
Corcoran, Witt, & Co., **6561**
Eagles, **7995 to 7997**
Perkins, Paternoster, & Bur-
lingham, **8553**
"Gem" Horse Rake & Imple-
ment Co., **8627**
Okes, **9604**
Pickering, **9674 to 9679**
Ley, **9694, 9695**
Warr & Lewis, **10,002**
Corcoran, jun., **10,238**

SACK LIFTER AND WEIGH- ING MACHINE.

"Gem" Horse Rake and Imple-
ment Co., **8627**

SACK LIFTERS AND BARROWS.

Nicholson & Son, **2885, 2886**
Sinkwell, **3323, 3324**
Penney & Co., **4680, 4681,**
4687
Rainforth & Son, **5278 to 5280**
Lewis & Son, **8970, 8972**
Marshall & Sons, **10,436**
Humphries, **10,497**
Clayton & Shuttleworth, **10,543**

SACK SEWING MACHINE.

Machinery & Hardware Exhi-
bition & Agency, **7547**

SACK TRUCKS AND CARTS.

Albion Iron Works Co., **1242 to**
1246
Logan & Elder, **2907**
Gill & Carling, **2938 to 2941**
Sinkwell, **3327, 3328**
Moser & Sons, **3515**
Peirce, **3691**
Sawney & Co., **3767**
Crump, **4663**
Penney & Co., **4683 to 4686**
Picksley, Sims, & Co., **5005**
Rainforth & Sons, **5285**
Bastin & Co., **5807**
Herbert & Sons, **5976, 5977**
McKenzie & Sons (London),
6036
Howe Scale Co., **6055, 6066**
Reeves & Son, **6257**
Parnell & Co., **6737**
Gardner, **7033**
Hughes & Sons, **7429**
Sharman & Ladbury, **7762**
Rogers, Brothers, **7797**
Eagles, **7992 to 7994**
Bamford & Sons, **8411 to 8414**
Perkins, Paternoster, & Bur-
lingham, **8556**
Smith & Baker, **8729**
Lewis & Son, **8974, 8976**
Dell & Son, **9273**
Whitmore & Binyon, **10,175,**
10,176
Corcoran, jun., **10,242**
Underhill, **10,779**
Fison, **10,836**

SACK TYERS.

Poupard, **1074**
Edgington, **3851**
Unite, **4172**

SALTING MACHINE.

Herbert & Sons, **5996 to 5998**
Lyon, **6280**
Gardner, **10,821**

SAMPLING STICK FOR WHEAT.

Dell & Son, **9627**

SCARIFIERS.

Tasker & Sons, **1141, 1142**
 Albion Iron Works Co., **1219, 1220**
 Cottis & Sons, **2979**
 Ball & Son, **4323, 4324, 4329**
 Page & Girling, **4527**
 Corbett & Peele, **4778**
 Rainforth & Sons, **5272 to 5274**

SCOTCH FANNERS.

Baker, J., **360**

SCOURER.

Flechter & Sons, **9834**

SCREENS.

Boby, **3180 to 3193**
 Rainforth & Sons, **5254, 5255**

SCREW JACKS.

(See *Lifting Jacks*.)

SCUFFLERS.

Kell, Meats, & Co., **3400, 3401, 3405**
 Page & Co., **4830**
 Rainforth & Sons, **5272 to 5274**
 Newall & Ogilvie, **8074, 8075**
 Peck & Baker, **8684, 8691**
 Larkworthy & Co., **8771 to 8773, 8788, 8789**

SCYTHE SNATHES,
STONES, & SHARPENERS.

Whiting Manufacturing Company, **2545**
 Whiteside & Co., **3077**
 Moser & Sons, **3501**
 Rollins & Co., **3581, 3607, 3608**
 Ransome & Co., **5790**
 Lingard, **6872**

SCYTHES.

Taylor & Co., **2146**
 Skurray & Co., **2211**
 Linacre, **2219**
 Whiting Manufacturing Company, **2545**
 Whiteside & Co., **3077**
 Moser & Sons, **3494**
 Lingard, **6871**

SEED APPARATUS AND
SEED SOWERS.

Holmes & Sons, **17**
 Cooch, **267**
 Reading Iron Works Co., **313**
 Gil & Carling, **2945**

SEED BAGS.

Baggot, Brothers, **1676**

SEED CLEANING MACHINERY.

Carter & Co., **10,942**

SEED COVERER.

Ransomes, Sims, & Head, **149**

SEED DRESSING COMPOSITION.

King, **11,472**
 Down, **11,500**
 Stokoe, **11,506**

SEED DRESSING
MACHINES.

Hunt & Tawell, **173 to 176**
 Cooch, **263, 264**
 Richardson, **2910**
 Penney & Co., **4672**
 Corbett & Peele, **4709**
 Cutler, **7091**

SEED DRILLS.

Holmes & Sons, **8, 10, 11, 13**
 Bird & Co., **5203 to 5208**

(See *Barrow, Corn and Seed*.)

SEED HOPPERS.

Croggon & Co., **1025**

SEED MICROSCOPES.

Davis & Co., **11,459**

SEED SCALES.

Howe Scale Company, **6063 to 6080**

SEED SEPARATORS.

Sainty, J. & B., **346**
 Bone, **456 to 459**
 Mumford & Co., **4855 to 4857**
 Coleman & Morton, **4928**
 Cutler, **7091**
 Throop, **9194, 9196, 9197**

SEED SHELLER OR DRAWER.

Holmes & Sons, **5**
Hunt & Tawell, **172**
Burrell & Sons, **3119**

SEED SIEVES.

Corcoran, jun., **10,236**

SEED SORTING MACHINE.

Boby, **3190**.

SEEDS, GRASSES, ROOTS, &c.

Carter & Co., **10,938** to **10,941**
Agricultural and Horticultural
Association, **11,103, 11,104**
Dickson & Sons, **11,381, 11,382**
Mold, **11,383** to **11,386**
Sutton & Sons, **11,387** to **11,394**
Webb & Sons, **11,396** to **11,411**
Wheeler & Sons, **11,412** to
11,414
King, **11,415**
Christy & Co., **11,431**
Le Grand, **11,619, 11,625**

SEWAGE PUMP, PORTABLE.

Waller & Co., **381**

SHAFTING HANGERS FOR FARM MACHINERY.

Kirkstall Forge Co., **4432** to
4448
Barford & Perkins, **8896**
Bateman & Co., **9396, 9897,**
9412
Hindley, **10,585**

Counter-Shafting and Pulleys.

Chapman & Sutton, **10,113**

SHEAF-BAND CUTTING KNIVES.

Linacre, **2212**

SHEAF-BINDING MACHINE.

King, **2915**
Johnston Harvester Co., **3063**
Woolnough & Co., **4958, 4960**
Howard, **9134**

SHEEP DIP.

Hall **7724**
Ash, Hope, & Sons, **11,096**
Tomlinson & Hayward, **11,473**
Stokoe, **11,504**
Gillard & Co., **11,507, 11,510**
Morris, Little, & Son, **11,511**
Pettifer, **11,528**
McDougal, Brothers, **11,544**

SHEEP DIPPING APPA- RATUS.

Perkins & Bellamy, **1933, 1934**
Peirce, **3674**
Hall, **7723**
Denig & Co., **9015**
Tomlinson & Hayward, **11,476**

SHEEPFOLDING HURDLE WITH RACK.

Keay, **1966**
Bayliss, Jones, & Bayliss, **3960,**
3961

SHEEPFOLDING HURDLES, FENCES, AND WIRE NET- TING.

Hunt & Tawell, **217**
McKenzie & Sons, **367**
Johnson, **1447, 1448**
Dixon, **1518**
Hill & Smith, **1531, 1539, 1558,**
1556, 1559, 1562 to **1566**
Hydes & Wigfull, **1795, 1803,**
1804
Keay, **1958, 1962, 1990, 1991,**
2000, 2001
Barnards, Bishop, & Barnards,
2638 to **2641**
Bayliss, Jones, & Bayliss, **3925**
to **3933, 3956** to **3961, 4029**
Main & Co., **4058, 4059, 4061,**
4099
Crump, **4662**
McKenzie & Sons (London),
6042
"Gem" Horse-Rake and Imple-
ment Co., **8682**

SHEEPFOLDING HURDLES ON WHEELS.

Keay, **1965**
Bayliss, Jones, & Bayliss, **3956**
to **3959, 4010**

SHEEP NETTING, TARRED.

Edgington, B., **3844**
 Unite, **4170**
 Edgington, F., & Co., **11,343**

SHEEP RACKS AND CRIBS.

Gregory, **347**
 Albion Iron Works Co., **1224**
 Gatward, **1406, 1407**
 Hill & Smith, **1632**
 Hydes & Wigfull, **1804**
 Sinkwell, **3329, 3330, 3331**
 Alexanders & Loveridge, **3454**
 Bayliss, Jones, & Bayliss, **4003**
 Crump, **4642**
 Bamford & Sons, **8400**
 Powell, Smith, Lamb, & Co.,
3587
 "Gem" Horse Rake & Imple-
 ment Co., **8629, 8630**
 Underhill, **1078**

SHEEP RACK AND TROUGH.

Perkins & Bellamy, **1931**
 Corbett & Peele, **4719, 4720**

SHEEP SHEARING MACHINES.

Newton, Wilson, & Co., **810**
 Ridgway, **2079, 2080**

SHEEP SHEARS.

Ransome & Co., **5802**
 Lingard & Co., **6873**
 Clark, **7747, 7748**
 Delano & Co., **7752**

SHEEP SHELTERS.

Brown, Bros., **5711 to 5718**

SHEEP TROUGHS.

Gatward, **1405**
 Hill & Smith, **1631**
 Perkins & Bellamy, **1935 to 1938**
 Treggon & Co., **2532**
 Cottis & Sons, **2987**
 Sinkwell, **3332, 3333**
 Baker, T., **3373, 3374**
 Headley & Son, **3426**
 Alexanders & Loveridge, **3455**
 Peirce, **3681**
 Matterson, Huxley, & Watson,
3891

SHEEP TROUGHS.

Bayliss, Jones, & Bayliss, **4005**
 Crump, **4648 to 4650**
 Page & Co., **4815**
 Brown, Bros., **5719 to 5728**
 Burney & Co., **7601 to 7603**
 Bellamy, **8346, 8348**
 Larkworthy & Co., **8798**

SHEEP WEIGHING MACHINES.

Avery, **6823**
 Hart & Co., **6875**

SHEPHERDS' DOG KENNELS.

Sharman & Ladbury, **7765**

SHEPHERDS' HUTS.

Patent Waterproof Paper &
 Canvas Co., **623**
 Croggon & Co., **1026**
 Perkins, & Bellamy, **1932**
 Reeves & Son, **6236**
 Fison, **10,824**
 Inman, **11,870**

SHOVELS.

Spear & Jackson, **2197 to 2204, 2208, 2209**
 Moser & Sons, **3493**
 Rollins & Co., **3598**
 Unite, **4225**
 Bastin & Co., **5813, 5814, 5816**
 Rogers, Brothers, **7827**

SICKLE.

Linacre, **2217**

SICKLE GRINDER.

Edmondsons, & Co., **718**
 Logan & Elder, **2900**

SIEVES, SCREENS, AND SIFTERS.

Thomas & Co., **2363 to 2378**
 Carter, **9219**

SKERRY.

Rainforth & Sons, **5272 to 5274**

SKIMS AND SCUFFLE.

Larkworthy & Co., **8790, 8791**

SKIPS.

Croggon & Co., 1013, 1014

SMUT MACHINES.

Corcoran, Witt, & Co., 6533,
6534

Harrison & Co., 7013

Van Gelder & Apsimon, 7040

Throop, 9194

Dell & Son, 9243, 9258 to
9260

Ashley & Sons, 9310, 9311

Houghton & Co., 9314

Nell, 9348

Walworth & Co., 10,155

Whitmore & Binyon, 10,169

Smut Wire.

Corcoran, Witt, & Co., 6566

Dell & Son, 9302

SPADES.

Spear & Jackson, 2178 to 2188

Rogers, Brothers, 7782

SPADING FORKS.

Spear & Jackson, 2175, 2176

Whiting Manufacturing Co.,
2543

Rollins & Co., 3568

SPIRIT LEVELS.

Moser & Sons,
Dell & Son, 9289

STEAM COOKING APPARATUS FOR SCHOOLS, UNIONS, &c.

Barford & Perkins, 8845 to
8850

STABLE LAMPS.

Cowdy, 779

STACKING MACHINES.

Tasker & Sons, 1124, 1128

Perkins, Paternoster, & Burling-
ham, 8529 to 8531

Barford & Perkins, 8842, 8843

Johns, Brothers, 9137

Garrett, 9157

Watson & Haig, 9161

Roberts, 9425, 9426

Wallis & Steevens, 9905, 9907

Bartlett, 10,326

Marshall & Sons, 10,422

Ruston, Proctor, & Co., 10,454

Humphries, 10,492

Clayton & Shuttleworth, 10,540

Foster & Co., 10,660

STEAM CULTIVATING MACHINERY.

Anchors.

Fowler & Co., 5068

Barford & Perkins, 8836, 8837

Greenslade, 8943

Everitt, Adams, & Co., 9052

Howard, 9065

Savage, 10,670

Chocks for Wheels.

Clayton & Shuttleworth, 10,544
10,545

Complete Sets.

Barford & Perkins, 8829, 8830

Howard, 9064

Consolidator.

Fowler & Co., 5060

Cord Arrangements for Driving.

Barford & Perkins, 8840

Cultivators.

Burrell & Sons, 3121

Coleman & Morton, 4914

Fowler & Co., 5052 to 5055

Barford & Perkins, 8833, 8834

Howard, 9070 to 9073

Savage, 10,673

Diggers.

Barford & Perkins, 8831, 8832

Savage, 10,671

Darby, 10,696

Discer.

Fowler & Co., 5049

Ditching Plough.

Fowler & Co., 5051

Draining Plough.

Fowler & Co., 5047

Draw-Bars and Lifting Jacks.

Savage, 10,679

Driving Chains and Pulleys.

Barford & Perkins, 8839

Engines.

Aveling & Porter, 3097, 3098,
3099

Burrell & Sons, 3107 to 3109

**STEAM CULTIVATING
MACHINERY.***Engines.*

Fowler & Co., 5030 to 5038
 McLarin, 9045 to 9047
 Everitt, Adams, & Co., 9050
 Howard, 9059 to 9063
 Box, 9135
 Marshall & Sons, 10,413, 10,414
 Ruston, Proctor, & Co., 10,445
 10,446
 Clayton & Shuttleworth, 10,530,
 10,533
 Savage, 10,669
 Allchin, 10,719

Harrows.

Fowler & Co., 5056, 5057
 Barford & Perkins, 8835
 Savage, 10,674 to 10,676

Land Presser.

Fowler & Co., 5059
 Barford & Perkins, 8841
 Savage, 10,672

Ploughs.

Burrell & Sons, 3120
 Fowler & Co., 5041 to 5048
 Barford & Perkins, 8831, 8832
 Howard, 9066 to 9069
 Savage, 10,671

Roller and Harrow Combined.

Fowler & Co., 5058

Rope Porters.

Fowler & Co., 5067
 Everitt, Adams, & Co., 9055
 Savage, 10,680, 10,681

Scarifier.

Howard, 9074

Scoop for Ponds.

Fowler & Co., 5050
 Darby, 10,707

Sleeping Van.

Aveling & Porter, 3104
 Fowler & Co., 5065
 Howard, 9075

Snatch Blocks.

Everitt, Adams, & Co., 9053,
 9054
 Savage, 10,677, 10,678

Traction Waggon.

Baker, 3376
 Fowler & Co., 5,061, 5062

**STEAM CULTIVATING
MACHINERY.***Traction Waggon.*

McLarin, 9048
 Howard, 9079
 Clayton & Shuttleworth, 10,542

Turning Steam Plough.

Leeming & Son, 9058

Water Carts.

Burrell & Son, 3122
 Coleman & Morton, 4922
 Fowler & Co., 5063, 5064
 Osmond, 5332, 5333
 James & Sons, 5348
 Howard, 9076, 9077

*Waterproof Cover for Portable
Engine.*

Phillips, 563
 Piggott, Brothers, 1670
 Unite, 4185
 Rainforth & Sons, 5286

Winding Drum.

Greenslade, 8941

Winding Engines.

Garrett & Sons, 470
 Fowler & Co., 5030 to 5034

Winding Engine, Portable.

Garrett & Sons, 470

Windlass.

Barford & Perkins, 8838
 Greenslade, 8942
 Everitt, Adams, & Co., 9051

STEAM ENGINES.*Fixed.*

Samuelson & Co., 296, 297
 Waller & Co., 377 to 380
 Holborow & Co., 454, 455
 Jeffery & Blackstone, 515, 517,
 519, 521, 522, 524
 Edmondsons & Co., 719
 Turner, 724 to 732
 Shanks & Son, 1261 to 1275,
 1277
 Death & Ellwood, 1358, 1359
 Hall, J. & E., 1877, 1879
 Nicholson & Son, 2825 to 2832
 Fowler & Co., 5038, 5040
 Thomas & Taylor, 6457
 Warner & Sons, 7445
 Machinery & Hardware Exhibi-
 tion & Agency, 7490, 7491,
 7500, 7532, 7533

STEAM-ENGINES.*Fixed.*

Newall & Ogilvie, **8076**
 Woods, Cocksedge, & Warner,
8152 to 8155
 Turner, **8177 to 8179**
 Richmond & Chandler, **8528**
 Perkins, Paternoster, & Burling-
 ham, **8535**
 Robey & Co., **8905, 8908, 8913,**
8914, 8916, 8918, 8920,
8922, 8925, 8926, 8930,
8932, 8933, 8935
 Sherwin, **9183**
 Waygood & Co., **9185 to 9189**
 Houghton & Co, **9319**
 Tangye, Brothers, **9436 to 9452**
 Atlas Engine Co., **9478 to 9482**
 Joy, **9492, 9493**
 May & Mountain, **9522, 9522**
 Okes, **9598 to 9600**
 Hayward, Tyler, & Co., **9630 to**
9636
 Hawkesley, **9723**
 Hands & Sons, **9747 to 9749**
 Bartrum & Powell, **9792, 9793**
 Hydraulic Engineering Co., **9798**
 Hett, **9799**
 Brinjes & Goodwin, **9818,**
9819
 Clayton, Howlett, & Co., **9958**
to 9960
 Reynolds & Co., **10,054**
 Pinfold, **9946**
 Chapman & Sutton, **10,107 to**
10,109
 Tittle & Son, **10,119 to 10,124**
 Robinson & Son, **10,127**
 Whitmore & Binyon, **10,177**
 Campbell & Co., **10,261**
 Ransome & Co., **10,363**
 Olley & Co., **10,402**
 Marshall & Sons, **10,429 to**
10,432
 Ruston, Proctor, & Co., **10,444,**
10,447, 10,456
 Hempsted & Co., **10,460 to**
10,471
 Humphries, **10,486, 10,487**
 Childs & Son, **10,503**
 Riches & Watts, **10,505 to**
10,509
 Clayton & Shuttleworth, **10,529**
 Davey, Paxman, & Co., **10,554,**
to 10,560
 Hindley, **10,564 to 10,573,**
10,577

STEAM ENGINES.*Fixed.*

Bagnall & Son, **10,592 to**
10,606
 Watts, **10,612, 10,613**
 Lane, **10,614, 10,620**
 General Engine & Boiler Co.,
10,621 to 10,628
 Fodlen, **10,632 to 10,636**
 Dodman, **10,638 to 10,642**
 Proctor & Wallis, **10,682,**
10,686
 Gibbons, **10,691, 10,692**
 Barrows & Stewart, **10,731**
 Underhill, **10,763 to 10,765**
 Gardner, **10,807**
 Finney, Bros., **10,851, 10,852**
 Blake & Co., **10,913**

Portable.

Holmes & Sons, **2**
 Balls, Garrett, & Co., **23 to 26**
 Hornsby & Sons, **42, 44, 46, 48,**
50
 Ransomes, Sims, & Head, **102 to**
110, 171
 Samuelson & Co., **292**
 Reading Iron Works Co., **294,**
295, 298 to 300
 Edwards, A., **396 to 398**
 Halsey & Co., **449 to 452**
 Garrett & Sons, **460, 462 to**
464, 466
 Jeffery and Blackstone, **516,**
518, 520, 523
 Turner, **721, 722**
 Tasker & Sons, **1126, 1129**
 Albion Iron Works Co., **1260**
 Shanks & Son, **1276**
 Death & Ellwood, **1360**
 Nicholson & Son, **2825 to 2832**
 Burrell & Sons, **3115**
 Fowler & Co., **5039**
 Affleck, **5296**
 Bradford & Co., **6375**
 Crosskill & Sons, **6491**
 Corcoran, Witt, & Co., **6535**
 Pulsometer Engineering Co.,
6923
 Maynard, **7554**
 Newall & Ogilvie, **8076**
 Crowley & Co., **8099**
 Woods, Cocksedge, & Warner,
8154
 Perkins, Paternoster, & Burling-
 ham, **8535**

STEAM ENGINES.

Portable.

Barford & Perkins, 8893 to 8895
 Robey & Co., 8917, 8919, 8934, 8936
 Armitage & Ruston, 8938
 Garrett, 9155
 Savile Street Foundry Co., 9171, 9172
 Oldham & Booth, 9177
 Carter, 9228
 Dell & Son, 9229
 Hopkinson, 9364
 Williamson, Brothers, 9577
 Brinjes & Goodwin, 9822
 Wallis & Stevens, 9895, 9897 9899
 Broadbent & Son, 9918
 Western & Co., 9938
 Pinfold, 9947
 Stubbs, 9949
 Whitehead & Co., 9975
 Powis, Carter, & Morris, 10,003, 10,004, 10,006
 Reynolds & Co., 10,056
 Weighell, 10,135
 Walworth & Co., 10,156
 Clarke, 10,187
 Campbell & Co., 10,262 to 10,266
 Marshall & Sons, 10,416, 10,417, 10,419, 10,420, 10,423, 10,425, 10,427, 10,428
 Ruston, Proctor, & Co., 10,439 to 10,443
 Hempsted & Co., 10,472 to 10,474
 Humphries, 10,484, 10,485
 Riches & Watts, 10,506
 Clayton & Shuttleworth, 10,524, 10,526, 10,531, 10,534
 Davey, Paxman, & Co., 10,550 to 10,553
 Hindley, 10,564 to 10,573
 Cochran & Co., 10,587
 Dodman, 10,639 to 10,642
 Tuxford & Sons, 10,644 to 10,647
 Foster & Co., 10,654, 10,656, 10,658
 Brown & May, 10,664 to 10,668
 Gibbons, 10,688 to 10,690
 Darby, 10,697 to 10,699
 Allchin, 10,722
 Barrows & Stewart, 10,733

STEAM ENGINES.

Portable.

Corbett, 10,744
 Ladd & Co., 10,789
 Fison, 10,826, 10,838

Semi-Portable Engines.

Turner, 8177
 Tangye, Brothers, 9454
 Bradley & Craven, 9985
 Barrows & Stewart, 10,732
 Blake & Co., 10,914

Piston Rings for Portable Engines

Pickering, 9692

Castings for Engines.

Spencer & Sons, 407
 Hadfield's Steel Foundry, 408
 Whiteley & Sons, 422
 Nottingham Malleable Iron Co., 5309

Counters for Engines.

Ransome & Co., 5766
 Bateman & Co., 9394
 Blancke & Co., 10,292
 Schäffer & Budenberg, 10,307

Ejectors.

Bateman & Co., 9402

Funnel for Engine Use.

Bellamy, 8357

Gauge Glasses and Gauges.

Phillips, 588
 Hancock Inspirator Co., 702
 Ransome & Co., 5735
 Dell & Son, 9287
 Bateman & Co., 9402
 Blancke & Co., 10,291, 10,293
 Davis & Co., 11,458

Governors for Steam Engines.

Waller & Co., 393
 Hancock Inspirator Co., 689
 Shanks & Son, 1278 to 1282
 Machinery & Hardware Exhibition & Agency, 7496 to 7498
 Blancke & Co., 10,300
 Schäffer & Budenberg, 10,308, 10,310

Steam Fittings.

Whiteley & Sons, 428
 Moser & Sons, 3522
 Nottingham Malleable Iron Co., 5310

STEAM ENGINES.*Steam Packing.*

Edwards, **406**
 Willcox & Co., **822**
 Hepburn & Gale, **840**
 Anderson, Abbott, & Anderson,
970

"Sentinel" and other Safety Valves.

Phillips, **581 to 585**
 Bateman & Co., **9400**
 Blancke & Co., **10,298**

Spanners.

Waller & Co., **395**
 Whiteley & Sons, **420**

Speed Governor.

Hall, J. & E., **1878**

Speed Indicators.

Orme & Co., **7976, 7977**
 Bateman & Co., **9395**
 Atlas Engine Co., **9488, 9489**
 Davis & Co., **11,465**

Valve Seats, Machine for Refacing.

Machinery & Hardware Exhibition & Agency, **7493**

STEAMING APPARATUS FOR FOOD.

Richmond & Chandler, **8521**

STEAM PUMPS.

Death & Ellwood, **1363, 1364**
(See Pumps, Steam.)

STEAM USERS ACCESSORIES.

White, **710**
 Harford, **1050**

STOOK OR SHOCK SHIFTER.

Bamlett, **3093**

STRAW ELEVATORS.

Holmes & Sons, **7**
 Garrett & Sons, **469**
 Tasker & Sons, **1131**
 Gatward, **1376**
 Burrell & Sons, **3118**
 Maldon Iron Works Co., **3208**
 Cottrell & Co., **6340, 6341**
 Perkins, Paternoster, & Burlingham, **8530**
 Barford & Perkins, **8842, 8843**

STRAW ELEVATORS.

Robey & Co., **8923, 8937**
 Johns, Brothers, **9137**
 Garrett, **9157**
 Watson & Haig, **9161, 9162**
 Wallis & Steevens, **9904, 9905, 9907**
 Marshall & Sons, **10,422**
 Ruston, Proctor, & Co., **10,453, 10,454**
 Hempsted & Co., **10,476**
 Clayton & Shuttlesworth, **10,539, 10,540**
 Foster & Co., **10,660**
 Nickerson, **10,726 10,727**
 Barrows & Stewart, **10,740**
 Taylor, **11,763**

STRAW SHAKER.

Brinsmead, **4314**

STRAW THATCHING FORK.

Bastin & Co., **5811**

SWATHING APPARATUS.

Corbett & Peele, **4778**

TARPAULINS.

Unite, **4168**
(See Rick Cloths, &c.)

TARRED NETTING.

Edgington, **3844**
 Unite, **4170**

THATCHING CORD AND YARN.

Edgington, **3851**
 Unite, **4173**

THATCHING LADDERS.

Peirce, **3698**

THRASHING AND FINISHING MACHINES.

Holmes & Sons, **3, 4**
 Hernsby & Sons, **43, 45, 47, 49**
 Ransomes, Sims, & Head, **111 to 115**
 Reading Iron Works Co., **303, 304**
 McKenzie & Sons, **368**
 Garrett & Sons, **461, 465, 467**

**THRASHING AND FINISH-
ING MACHINES.**

Edmondsons & Co., 720
 Turner, 733, 734
 Houghton & Thompson, 934
 Tasker & Sons, 1122, 1127,
 1130
 Burrell & Sons, 3116, 3117
 Maldon Iron Works Co., 3207
 Eckert, 4125
 Murray & Co., 5120
 Robey & Co., 8910, 8911, 8928,
 8929
 Reid & Co., 9029, 9031
 Box, 9136
 Garrett, 9156
 Williamson, Bros., 9588 to 9591
 Wallis & Steevens, 9896, 9898,
 9902
 Weighell, 10,133
 Marshall & Sons, 10,415, 10,418,
 10,421, 10,424, 10,426
 Ruston, Proctor, & Co., 10,448
 to 10,452
 Hempsted & Co., 10,475
 Humphries, 10,488 to 10,491
 Riches & Watts, 10,510
 Clayton & Shuttleworth, 10,525
 10,527, 10,535, 10,537
 Tuxford & Sons, 10,648
 Foster & Co., 10,655, 10,657,
 10,659
 Nalder & Nalder, 10,661,
 10,662
 Gibbons, 10,693 to 10,695
 Darby, 10,701
 Allchin, 10,720, 10,721
 Barrows & Stewart, 10,735 to
 10,737

Beaters, Iron and Steel.

Whiteley & Sons, 411 to 413
 Nottingham Malleable Iron Co.,
 5305 to 5308
 Harrison, Teague, & Birch, 5316,
 5317
 Clayton & Shuttleworth, 10,549

Drum Guard.

Holmes & Sons, 22

Hand Power Thrashing Machines.

Hunt & Tawell, 176
 Selig, Sonnenthal, & Co., 4582
 to 4584

**THRASHING AND FINISH-
ING MACHINES.****Hand Power Thrashing Machines.**

Murray & Co., 5119
 Corcoran, Witt, & Co., 6520
 Lowcock, 8601
 Reid & Co., 9024 to 9028

Horse Power Thrashing Machine.

Wallis & Steevens, 9903

**Thrashing Machine Cloths and
Covers.**

Poupard, 1076, 1077
 Edgington, 3852

Thrashing Machine Drum Spindle.

Clarke's Crank Co., 10,290

Waterproof Cover.

Phillips, 564, 565

TIDE VALVES AND FLOPS.

Waller & Co., 383 to 385

**TOOLS FOR AGRICUL-
TURISTS.**

Spear & Jackson, 2205, 2207

TRACTION ENGINES.

Holmes & Sons, 1
 Ransomes, Sims, & Head, 102,
 103
 Garrett & Sons, 460
 Tasker & Sons, 1121
 Burrell & Sons, 3110 to 3114
 Robey & Co., 8915
 McLarin & Co., 9045 to 9047
 Everitt, Adams, & Co., 9050
 Box, 9135
 Wallis & Steevens, 9900, 9901
 Marshall & Sons, 10,413, 10,414
 Ruston, Proctor, & Co., 10,445,
 10,446
 Clayton & Shuttleworth, 10,530
 10,533
 Bagnall, 10,609, 10,610
 Savage, 10,669
 Darby, 10,700
 Althchin, 10,719
 Barrows & Stewart, 10,729

Castings for Traction Engines.

Spencer & Sons, 407
 Hadfield's Steel Foundry Co.,

TRACTION ENGINES.

Inspirator.

Hancock Inspirator, **681, 682**

Lamps for Traction Engines.

Cowdy, **779**

Traction Engine Wheels.

McLarin, **9049**

TRACTION WAGGONS.

Baker, T., **3376**

McLarin, **9048**

Howards, **9079**

Clayton & Shuttleworth, **10,542**

TRAMWAY FEEDING TRUCKS FOR CATTLE AND COWHOUSE.

Musgrove & Co., **2102**

TRAPS FOR WILD ANIMALS.

Spong & Co., **11,419 to 11,421**

TREE GUARDS.

Moncaster, **1431, 1436, 1443, 1444**

Hill & Smith, **1642 to 1649**

Hydes & Wigfull, **1815 to 1819**

Keay, **1974 to 1979**

Bayliss, Jones, & Bayliss, **4001**

Main & Co., **4090**

TROUGH FOR OILCAKE FEEDING.

Gill & Carling, **2950**

TROUGHS AND PANS.

Hunt & Tawell, **221 to 226**

Croogon & Co., **1019, 1020**

Albion Iron Works Co., **1254 to 1259**

Gatward, **1405**

Hill & Smith, **1627 to 1631**

Perkins & Bellamy, **1935 to 1938**

Treggon & Co., **2508, 2509, 2532, 2533**

TROUGHS AND PANS.

Barnards, Bishop, & Barnards, **2628, 2630, 2633**

Gill & Carling, **2952**

Cottis & Sons, **2987 to 2993**

Maldon Iron Works Co., **3239 to 3245**

Sinkwell, **3332, 3333**

Willacey, **3343**

Baker, **3372**

Headly & Son, **3425, 3426**

Alexander & Loveridge, **3455, 3458**

Moser & Sons, **3521**

Peirce, **3676, 3681, 3726**

Matterson, Huxley, & Watson, **3811 to 3820**

Bayliss, Jones, & Bayliss, **4005**

Crump, **4648 to 4654**

Page & Co., **4852**

Picksley, Sims, & Co., **5006 to 50013**

Affleck, **5297 to 5301**

Cannings, **5346**

Brown, Brothers, **5719 to 5728**

Gillings, **6168**

Croskill & Sons, **6488**

Burney & Co., **7588 to 7603, 7618, 7619**

Rogers, Brothers, **7801 to 7805**

Woods, Cocksedge, & Warner, **8164**

Bellamy, **8326 to 8344, 8346, 8348, 8349**

Lowcock, **8603 to 8606**

Larkworthy & Co., **8798**

Barford & Perkins, **8889**

Fison, **10,835**

TURFING IRONS.

Moser & Sons, **3496**

TURNIP AND BEAN HOE.

Page and Co, **4831**

TURNIP AND BEETROOT TOPPING AND TAILING MACHINES.

Hunter, **8944 to 8946**

Knives of Turnip Cutter.

Linacre, **2222**

**TURNIP CUTTERS, SLICERS
AND STRIPPERS.**

Hornsby & Sons, **90 to 93**
Hunt & Tawell, **201, 202,**
209

Samuelson & Co., **283, 284**

Gregory **351**

Taylor & Co., **2133 to 2135**

Vipan & Headly, **2717, 2720,**
2726

Logan & Elder, **2905**

Gill & Carling, **2927, 2928**

Harrison, McGregor, & Co., **3136**
to 3138

Maldon Iron Works Co., **3230,**
3231, 3238

Bentall & Co., **3287 to 3294**

Willacy, **3339**

Peirce, **3669, 3671**

Corbett & Peele, **4727**

Williams & Son, **4884**

Picksley, Sims, & Co., **4991,**
4993

Carson & Toone, **6208 to 6211**

Woods, Cocksedg, & Warner,
8149, 8150

Richmond & Chandler, **8522**

Lowcock, **8597**

Barnard & Luke, **8667, 8668,**
8672

Corbett & Son, **10,753**

Combined Pulper and Cutter.

Hornsby & Sons, **90**

Harrison, McGregor, & Co., **3143**
to 3145

TURNIP AND CORN HOE.

Page & Co., **4832**

**TURNIP HOE FOR BUNCH-
ING TURNIPS.**

Holmes and Sons, **16**

TURNIP HOE & GRUBBER.

Denton, **4801, 4802**

Peck & Baker, **8685, 8686**

TURNIP LIFTER.

Murray & Co., **5121**

**TURNIP AND MANGOLD
SOWERS.**

McKenzie & Sons, **362, 363**

Logan & Elder, **2904**

Bingham & Co., **2920**

Murray & Co., **5117, 5118**

Mitchell, **5159**

Reid & Co., **9021 to 9023**

TURNIP SCUFFLE.

Corbett & Son, **10,761**

TURNIP SKIPS.

Croggon & Co., **1014**

Treggon & Co., **2515**

Gill & Carling, **2947 to 2949**

**TURNIP THINNERS AND
CLEANERS.**

Murray & Co., **5114**

TURNIP THINNERS.

Murray, **5114**

Smith & Son, **8715, 8716**

Hunter, **8947**

Lewis & Son, **8978**

Everitt, Adams, & Co., **9056,**
9057

TWITCH RAKES.

Vipan & Headly, **2739**

VAN FOR WORKMEN.

Aveling & Porter, **3104**

Fowler, **5065**

Howard, **9075**

Fison, **10,825**

VERMIN TRAPS, &c.

Sabatier & Co., **2507**

Ransome & Co., **5781, 5782**

Warren, **8614**

Spong & Co., **11,416 to 11,419**

**VETERINARY INSTRU-
MENTS, &c.**

Arnold & Sons, **7731 to 7737**

WAREHOUSE HOIST.

Eagles, **7998**

**WATER BALLAST
ROLLERS.**

Barford & Perkins, **8873 to**

8875, 8883 to 8885, 8897
to 8904

WATER BARRELS.

Bellamy, **8355, 8356**

WATER BARROWS AND HAND CARTS.

Croggon & Co., **1016**

Hill & Smith, **1638**

Perkins & Bellamy, **1950**

Taylor & Co., **2147**

Wrinch, **2554**

Barnards, Bishop, & Barnards,
2616, 2617

Gill & Carling, **2936**

Headly & Son, **3441**

Peirce, **3676**

Coleman & Morton, **4924, 4925**

Osmond, **5338**

Rogers & Co., **7819**

Bamford & Sons, **8427**

Campion, **8817, 8826**

Hayward, Tyler, & Co., **9669**

WATER CARTS, VANS, AND HYDRAULIC MACHINES.

Perkins & Bellamy, **1928**

Barnards, Bishop, & Barnards,
2617

Vipan & Headly, **2697**

Burrell & Sons, **3122**

Baker, T., **3361 to 3363, 3367**

to **3369, 3370, 3371**

Headly & Son, **3420, 3421**

Peirce, **3674**

Bristol Waggon Works Co.,
4250, 4251

Coleman & Morton, **4916 to
4920**

Affleck, **5287 to 5290**

Osmond, **5332 to 5337**

Cannings, **5341 to 5344**

James & Son, **5348 to 5351**

Reeves & Son, **6247 to 6252**

Warner & Sons, **7455, 7456**

Woods, Cocksedge, & Warner,
8159

Randell, **8432 to 8435**

Widder, **8486**

Innes, **8570, 8571**

Cubitt & Son, **8957**

Howard, **9076, 9077**

Riches & Watts, **10,522**

Carts and Pumps.

Baker, T., **3367, 3371**

Water Cart Bodies.

Burney & Co., **7576, 7577**

Bellamy, **8350 to 8354**

WATERPROOF FOLD OR ENCLOSURE.

Patent Waterproof Paper and
Canvas Co., **621**

WATER SOFTENING AND PURIFYING APPARATUS.

Atkins & Co., **9823**

WATER SPREADERS.

Campion, **8817**

WATERWORKS COMPLETE FOR FARMERS AND MARKET GARDENERS.

Hawkesley, **9739**

WEED ERADICATOR.

Ord & Maddison, **3049**

WEIGHBRIDGES.

Rollins & Co., **3617**

Howe Scale Co., **6053, 6054**

Pooley & Son, **6774, 6817**

Avery, **6818, 6819**

WEIGHING MACHINES, WITH SACK LIFTER AND LOADER.

Sinkwell, **3322**

Penney & Co., **4692**

WEIGHING MACHINES.

Kittmer, **945**

Poupard, **1083 to 1087**

Hall, **1867 to 1870**

Sinkwell, **3322**

Moser & Sons, **3477**

Rollins & Co., **3617 to 3633**

Peirce, **3699**

Sawney, **3768**

Chameroy, **4136 to 4139**

Penney & Co., **4692**

Corbett & Peele, **4780**

Herbert & Son, **5938 to 5975**

Howe Scale Co., **6046 to 6054,
6057 to 6080**

Corcoran, Witt, & Co., **6556 to
6558**

Parnell & Co., **6733 to 6736**

Bartlett & Son, **6738 to 6758,
6760**

Pooley & Son, **6774 to 6817**

WEIGHING MACHINES.

Avery, **6818** to **6868**
 Hart & Co., **6875**
 Machinery and Hardware Exhibition and Agency, **7506**
 Maynard, **7558**
 Rogers, Brothers, **7777** to **7779**
 Dell & Son, **9283**
 Corcoran, jun., **10,231**, **10,237**
 Simon, **10,917**

WEIGHTS, SETS OF,

Herbert & Sons, **5991**
 Avery, **6869**

WELL BUCKETS.

Croggon & Co., **1011**
 Treggon & Co., **2515**

WHEAT BRUSHING MACHINES.

Corcoran, Witt, & Co., **6525**
 Harrison & Co., **7013**
 Throop, **9192**, **9193**
 Dell & Son, **9249**
 Fiechter & Sons, **9335**

WHEAT CLEANERS.

Dell & Son, **9257**
 Walworth & Co., **10,153**
 Whitmore & Binyon, **10,170**,
10,171
(See Corn Cleaners.)

WHEAT GRADER.

Dell & Son, **9241**

WHEAT HEATER.

Throop, **9203**
 Carter, **9218**
 Nell, **9347**

WHEAT WASHING AND SCOURING MACHINES.

Young, **525**, **526**

WHEAT SAMPLING STICK.

Dell & Son, **9267**

WHEAT WORM AND CONVEYOR.

Corcoran, Witt, & Co., **6559**
 Dell & Son, **9293**
 Hind & Lund, **9323**
 Walworth & Co., **10,154**
 Whitmore & Binyon, **10,168**

WHEEL-CHOCKING BLOCKS.

Clayton & Shuttleworth, **10,544**,
10,545

WHIPPLETREES, POMELTREES, AND SWINGLETREES.

Ransomes, Sims, & Head, **157** to
160
 Baker, J. L. & Co., **258**
 Gatward, **1386**, **1387**
 Vipan & Headly, **2678**, **2679**
 Kell, Meats, & Co., **3415**, **3416**
 Corbett & Peele, **4763** to **4765**
 Page & Co., **4853**, **4854**
 Coleman & Morton, **4933**, **4934**
 Davey, Sleep, & Co., **5106**
 Reeves & Son, **6263**
 Larkworthy & Co., **8801**
 Campion, **8820**
 Howard, **9105**
 Bartlett, **10,330**

WINDLASS FOR DRIVING MACHINERY.

Darby, **10,702**, **10,703**

WINNOWER, CORN ELEVATOR, AND WEIGHING MACHINE.

Sawney, **3762**
 Corbett & Peele, **4706**

WINNOWING MACHINES.

Cooch, **259**, **261**
 Sainty, J. & B., **342** to **345**
 Baker, J., **352** to **354**, **356**,
359
 Tasker & Sons, **1132** to **1134**
 Taylor & Co., **2121**
 Nicholson & Son, **2887**
 Ord & Maddison, **3052**
 Kell, Meats, & Co., **3392**
 Sawney & Co., **3756**, **3757**

WINNOWER MACHINES.

Selig, Sonnenthal & Co., **4604, 4605**

Corbett & Peele, **4706**

Murton & Turner, **5139**

Rainforth & Sons, **5256, 5257**

Cottrell & Co., **6347**

Reid & Co., **9030, 9032**

Combined Machines.

Sawney & Co., **3756 to 3760**

Corbett & Peele, **4707, 4710, 4712, 4713, 4715, 4716, 4718**

WINNOWER MACHINES.

Scotch Fanners.

Baker, **360**

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 Summerscales & Sons, **7278 to 7281**

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Herbert & Sons, **5995**

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Hutchinson & Co., **11,151, 11,168**

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Thomson, Sterne, & Co., **6955, 6973**

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 Harvey, **11,760**

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Welch, **11,846**

CEMENT TESTING MACHINE.

Bartrum & Powell, **9790**

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Moser & Sons, **3508**
 Bastin & Co., **5860 to 5862**
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Bastin & Co., **5854 to 5857**
 Corcoran, Witt, & Co., **6562**

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Moser & Sons, **3505**

CINDER SIFTERS AND SCREENS.

Hill & Smith, **1641**
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 Penney & Co., **4675, 4677, 4678**
 Rainforth & Sons, **5282 to 5284**
 Ransome & Co., **5775**
 Bastin & Co., **5840 to 5843**
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CIRCULAR SAWS.

Holmes & Sons, **6**
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CISTERNS.

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CLOCK-WORK PENS.

Wilson (Newton) & Co., **780 to 783**

CLOSET WASTE WATER PREVENTER.

Voice, Godfrey, & Co., **7682**

CLOTHES DRYING HORSE.

Bradford & Co., **6374**
 Kent & Co., **7864**

COACHBUILDERS' TOOLS.

Hopton & Co., **3466**

COACH SCREWS.

Abell & Co., **4423**

COAL BARROWS.

Penney & Co., **4888**

COAL SCREEN.

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COCKLE (IRON) FOR DRYING HOPS, MALT, &c.

Weeks & Son, **2814**

COCOA MILL, DOMESTIC.

Nye & Co., **11,240**

COFFEE CLASSIFIER.

Penney & Co., **4671**

COFFEE DRYING APPARATUS.

Woods, Cocksedge, & Warner, **8158**

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Barnards, Bishop, & Barnards, **2635**
 Rollins & Co., **3656**
 Ransome & Co., **5767**
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COFFEE ROASTERS.

Nye & Co., **11,274 to 11,276**

COKE BREAKERS AND CRUSHING MACHINES.

Nicholson & Son, **2872**
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**COLD AIR APPARATUS FOR
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AND MAKING ICE.**Thwaites & Carbutt, **10,869,
10,870****CONCRETE BALUSTRADES,
GARDEN EDGING, AND
TILES.**Wilkinson & Co., **4569 to 4576****CONCRETE BUILDING MA-
CHINE.**Tall, **11,758****CONCRETE FLOORS, FLAGS,
CURBS, STEPS, RIDGES,
&c.**Wilkinson & Co., **4552 to 4556,
4562 to 4568****CONCRETE TROUGHS AND
SINKS.**Wilkinson & Co., **4557 to 4561****CONSERVATORY FIT-
TINGS.**Thomas & Co., **2302****CONSERVATORY PUMP
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11,278***(See Garden Engines.)***COOKING APPARATUS,
NORWEGIAN.**Ransome & Co., **5776****COOKING DISH & KETTLE.**Atmospheric Churn Co., **6333****COOKING APPARATUS,
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Portway, **6612 to 6615****COOKING APPARATUS,
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Eagle Range & Foundry Co.,
10,356 to 10,368
Constantine, **10,371 to 10,385****COOKING STOVES, PORT-
ABLE.**Brown, Brothers, **5729 to 5732****COOKING STOVES AND
UTENSILS, MINERAL OIL.**Albion Lamp Co., **6028****COOKING UTENSILS.**Leoni, **7141 to 7143**
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Hempsted & Co., **10,483****CRICKET FIELD ROLLER.**Nicholson & Son, **2855**
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Sherwin, **9180***(See Coke, and Stone Breaking.)***CURRENT DRESSING
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CHINE, UNIVERSAL.**Smith & Coventry, **10,083****DAIRYMAN'S REFRIGER-
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KENNEL RAILING.**Hill & Smith, **1862, 1863**Morton, **1775, 1778**Musgrave & Co., **2105**Peirce, **3733**Bayliss, Jones, & Bayliss, **4000****DOG TROUGHS.**Barnards, Bishop, & Barnards,
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Peiros, 3710 to 3715

Sawney & Co., 3781

Matterson, Huxley, & Watson,
3827

Edgington, 3681, 3682

Main & Co., 4097

Unite, 4202, 4214

Ransome & Co., 5788

McKenzie & Sons, 6040

Rogers, Brothers, 7795, 7796

Bamford & Sons, 8429

Inman, 11,878, 11,874, 11,876,

*Easy Chairs, with and without
Awning.*

Headly & Son, 3430 to 3435

Unite, 4208 to 4211

Folding Chairs and Tables.

Rollins & Co., 3596

Peirce, 3714

Sawney, 3783, 3784

Edgington, 3681, 3682

Unite, 4212, 4213

Foot Boards.

Thomas & Co., 2390, 2391

**GARDEN EDGING, CON-
CRETE.**

Wilkinson & Co., 4569 to 4574

GARDEN ENGINES.

Hydes & Wigfull, 1823 to 1825

Peirce, 3676, 3705, 3708, 3737

Coleman & Morton, 4925

Ransome & Co., 5798

Ingold, 7419

Rogers, Brothers, 7819

Orme, 7940

Bamford & Sons, 8428

Hayward, Tylex, & Co., 9671 to
9673

Nye & Co., 11,204 to 11,266

GARDEN FRAMES.

Horley, 11,641

GARDEN FURNITURE.

Alexander & Thompson, 612

Panklibanon Ironmongery Co.,
1299 to 1324*(See Garden Seats, Tables, &c.)***GARDEN HAMMOCKS.**

Peirce, 3742

Edgington, 3857, 3860

*(See Net Hammocks.)***GARDEN HAND FRAMES.**

Treggon & Co., 2516

Dennis & Co., 11,716

GARDEN HOSE.

Sheath, Brothers, 917 to 920

Anderson, Abbott, & Anderson,
973

Thomas & Co., 2358

Peirce, 3745

*(See also Hoses and Fittings.)**Hand Branch and Union.*

Thomas & Co., 2359

**GARDEN HURDLES, FENC-
ING, AND PALISADING.**

Corcoran, Witt, & Co., 6548

*(See Wire Netting, &c.)***GARDEN LABELS.**

Treggon & Co., 2516

GARDEN LOUNGES.

Wrinch, 2580

Headly & Son, 3433

Edgington, 3859

**GARDEN NETTING,
TARRED.**

Edgington, **3844**
Unite, **4170, 4178**

GARDEN ORNAMENTS.

Wrinch, **2606**
Vipan & Headly, **2741 to 2744**
Headly & Son, **3446 to 3448**
Bamford & Sons, **8430**

(See *Flower Boxes, Baskets,
Fountains, Garden Vases, &c.*)

GARDEN PAVILION.

Piggott, Brothers, **1673**

GARDEN PLOUGH.

Follows & Bate, **1884**

GARDEN POTS.

Matthews, **11,755**

GARDEN ROLLERS.

Alexander & Thompson, **414**
Thomas & Co., **2397 to 2499**
Barnards, Bishop, & Barnards,
2613, 2615

Nicholson & Son, **2864**

Moser & Sons, **3516**

Peirce, **3707**

Matterson, Huxley, & Watson,
3826

Denton, **4813**

Picksley, Sims, & Co., **5003,
5004**

Machinery & Hardware Exhibi-
tion & Agency, **7520**

Crowley & Co., **8110 to 8114**

Lowcock, **8603**

Barford & Perkins, **8897 to
8902**

Coalbrookdale Company, **11,822,
11,823**

**GARDEN SCRAPERS OR
MATS.**

Winch, **2555**

GARDEN SEED DRILLS.

Le Butt, **537**

Gower & Son (Market Drayton),
5195, 5196

Bird & Co., **5216**
Gower & Son (Winchfield), **5247**

GARDEN SHEARS.

Lingard & Co., **6874**

GARDEN STAKES.

Treggon & Co., **2521**

GARDEN SYRINGES.

Treggon & Co., **2536**

(See *Syringes.*)

GARDEN TABLES.

Phillips, **577**

Piggott, Brothers, **1680**

Thomas & Co., **2392 to 2396**

Wrinch, **2582, 2591 to 2594**

Vipan and Headly, **2763**

2765, 2769

Headly & Son, **3440**

Peirce, **3715**

Sawney & Co., **3783**

Matterson, Huxley, & Watson,
3828

Edgington, **3863**

Main & Co., **4098**

Ransome & Co., **5789**

Rogers, Brothers, **7811**

GARDEN TENTS.

Wrinch, **2553**

Peirce, **3714**

Edgington, **3853**

Unite, **4186**

GARDEN TILES.

Major, **11,751**

GARDEN TOOLS.

Spear & Jackson, **2150, 2151**

Whiteside & Co., **3076**

Rollins & Co., **3601**

McKenzie & Sons (London),
6035

Lloyd, Lawrence, & Co., **6133,
6134**

Lyon, **6279**

Orme & Co., **7947**

**GARDEN TRELLISES AND
VERANDAHs.**

Rollins & Co., **3592**

**GARDEN UMBRELLA AND
TENT.**

Peirce, **3714**

Edgington, **3854, 3856**

Unite, **4191**

GAS BOILING STOVES.Leoni & Co., **7139, 7140**Billing, **7191 to 7194****GAS BURNERS AND REGULATORS.**Leoni & Co., **7149**Billing, **7227 to 7230****GAS CALENDER.**Thomas & Taylor, **6450****GAS COOKING STOVES, KITCHENERS, AND RANGES, AND APPLIANCES.**Potter, **7107 to 7110**Leoni & Co., **7112 to 7143**Billing & Co., **7159 to 7196***Cooking Utensils for Gas Stoves.*Billing, **7201****GAS ENGINES.**Thomson, Sterne, & Co., **6969, 6970**Orme & Co., **7950**Turner, **8175, 8176**Simon, **10,143**Olley & Co., **10,403**Hindley, **10,578**General Engine & Boiler Co.,
10,630, 10,631Finney, Brothers, **10,853**Thwaites & Carbutt, **10,892, 10,893**Müller, **10,903**Sun Auto-pneumatic Lighting
& Heating Co., **10,912**Simon & Son, **10,918**Crossley Bros., **10,920 to 10,925****GAS HEATED STEAM BOILER.**Blake & Co., **10,915****GAS HEATING STOVES.**Leoni & Co., **7150 to 7158**Billing, **7202 to 7225****GAS IMPURITIES, APPARATUS FOR WASHING AND CLEANSING.**Hayward, Tyler, & Co., **9654****GAS LAMPS, SELF-GENERATING.**Müller, **10,902**Sun Auto-pneumatic Lighting
& Heating Co., **10,911****GAS MANUFACTURING APPARATUS AND MACHINES.**Okes, **9602**Müller, **10,898 to 10,901**Clark, **10,905, 10,906**Sun Auto-pneumatic Lighting
& Heating Co., **10,907 to 10,910**Crossley, Brothers, **10,926****GAS OVENS, PORTABLE.**Billing, **7199, 7200****GAS VALVE.**Rownson, Drew, & Co., **10,866****GEOMETRICAL STAIRCASE.**St. Pancras Iron Works Co.,
3808**GLASS PROTECTORS AND WALL COPINGS FOR WALL FRUIT.**Cranston & Luck, **11,653**Richardson & Co., **11,669**Parham, **11,683 to 11,685**Dennis & Co., **11,702****GLASS ROOFING.**Rendle, **11,647, 11,648****GLUE MELTING APPARATUS.**Reynolds & Co., **10,051, 10,052****GOODS LIFTS.**Eagles, **7998**Waygood & Co., **9191***(See Warehouse Hoists and Lifts.)***GOTHIC RAILING.**Bayliss, Jones, & Bayliss, **3998, 3999**

GRASS ROLLS.

Matterson, Huxley, & Watson,
3829, 3830
(See Garden Rollers.)

GRAVEL SCREENS.

Hill & Smith, **1641**
 Ord & Maddison, **3051**
 Bobby, **3193**
 Penney & Co., **4675**
 Rainforth & Sons, **5282, 5284**
 Bastin & Co., **5839**
 Corcoran, Witt, & Co., **6555**

GREENHOUSES AND CONSERVATORIES.

Peirce, **3724**
 Horley, **11,639, 11,640**
 Rosser & Russel, **11,642**
 Hunt, **11,649, 11,650**
 Cranston & Luck, **11,651 to 11,653**
 Beckett, Bros., **11,654 to 11,657**
 Richardson & Co., **11,667 to 11,670**
 Parham, **11,681, 11,682**
 Dennis & Co., **11,694 to 11,696, 11,711, 11,714, 11,715**

GREENHOUSE HEATING APPARATUS.

Rosser & Russell, **11,643**
 Beckett, Bros., **11,659 to 11,664**
 Richardson & Co., **11,671 to 11,680**
 Dennis & Co., **11,703**
(See Heating Apparatus.)

GRILLING STOVES.

Eagle Range & Foundry Co.,
10,369

GUT BANDS.

Phillips, **586**
 Harbord, **1049**
 Corcoran, Witt, & Co., **6575**
 Corcoran, jun., **10,247**

HAMMERS.

Moser & Sons, **3529**
 Rollins & Co., **3585**
 Orme & Co., **7949**

HAMMOCKS AND SLINGING APPARATUS.

Wrinch, **2603**
 Peirce **3742**
 Edgington, **3857 to 3860**
 Unite, **4192**

HAND BASINS, IRON.

Treggon & Co., **2515**

HAND SAWS.

Rollins & Co., **3609, 3610, 3611**

HANDLES FOR TOOLS.

Rollins & Co., **3612**
 East & Son, **5330, 5331**

HATCHING, REARING, AND FATTENING APPARATUS AND APPLIANCES.

Christy & Co., **11,423 to 11,432**
 Voittellier, **11,605 to 11,609**
 Roullier & Arnoult, **11,610 to 11,616**

HATTER'S STOVE.

Leoni & Co., **7145**

HEALTH LIFTS.

Anderson, Abbott, & Anderson,
981

HEATING APPARATUS FOR BUILDINGS AND GREENHOUSES.

Peirce, **3725**
 Albion Lamp Co., **6029**
 Atmospheric Churn Co., **6334, 6335**
 Portway, **6612 to 6615**
 Patent Steam Boiler Co., **9500**

(See Greenhouse Heating, &c.)

HEATING BARROWS.

Hill & Smith, **1639**

HEDGE MITTENS.

Staynes & Sons, **1103, 1104**

HINGES.

Cottam & Co., **2073**

HOISTING ENGINE.

Appleby, Brothers, 9705

HOLLOW WARE FOR BUILDING PURPOSES.

Pritchett, 11,719 to 11,730

HOOF RINDER WITH RINGS.

Lloyd, Lawrence, & Co., 6131

HOP EXTRACTOR.

Lawrence & Co., 10,346

HOP POLE DIPPING TANK.

Weeks & Son, 3919

Bellamy, 8346

HORSE BOX FASTENER.

Kaye & Co., 7058

HORSE CLIPPER GRINDER.

Selig, Sonnenthal, & Co., 4626

HORSE CLIPPERS AND SHEARS.

Ridgway, 2081, 2082

Hopton & Co., 3469

Moser & Sons, 3525

Clark, 7742 to 7746

Delano & Co., 7753 to 7756

HORSE CLIPPING & SHEEP SHEARING MACHINE.

Clark, 7749

HORSE CONTROLLING APPARATUS, ELECTRICAL.

Engstrom, 11,633, 11,634

HORSE GROOMER.

Newton, Wilson, & Co., 808, 809

HORSE NAILS.

I-P Horse Nail Co., 4511

HORSE ROUGH, MOVABLE.

Witty & Wyatt, 11,184

HORSE SCRAPERS.

Delano & Co., 7756

HORSE SHOE MAKING MACHINE.

Selig, Sonnenthal, & Co., 4627

HORSE SHOER'S MACHINE.

Selig, Sonnenthal, & Co., 4620

HORSE SHOES.

Moser & Sons, 3542

HORSE SLENG OR HAM-MOCKS.

Piggott, Brothers, 1679

Unite, 4228

HOSE REELS AND BARROWS.

Thomas & Co., 2357

Barnards, Bishop, & Barnards, 2611, 2612

Peirce, 3768

Haynes & Sons, 7241

Rogers & Co., 7820

HOSE AND SUCTION PIPES AND FITTINGS.

Cowdy, 773

Willecox & Co., 819

Hepburn & Gale, 835, 838, 839

Webb & Son, 858, 859

Sinclair, 880 to 887

Sheath, Bros., 908, 909, 912, 914 to 916

Anderson, Abbott, & Anderson, 960 to 969, 973

Norris & Co., 1120

Haynes & Sons, 7241

Hutchinson & Co., 11,144 to 11,152

HOT-AIR ENGINE.

Le Grand & Sutcliff, 9572

Hayward, Tyler, & Co., 9618 to 9620

Hock & Co., 10,850

HOTEL LIFT.

Thomas, 9707

HOT WATER CIRCULATING APPARATUS, PORTABLE.

Leoni & Co., 7127

HOUSE FIRE ENGINE.

Hayward, Tyler, & Co., 9668

HOUSE FIRE ESCAPE.

Harvey, 11,759

HYDRANTS AND FITTINGS.

Sinclair, 878, 879

Shand & Mason, 930

Bateman & Co., 9419

May & Mountain, 9532, 9533

**HYDRAULIC APPARATUS
FOR WATERING STREETS,
&c.**

Headly & Son, 3443 to 3445

**HYDRAULIC BOILER
PROVER.**

Tangye, Brothers, 9469

HYDRAULIC JACKS.

Tangye, Brothers, 9468, 9470

HYDRAULIC RAMS.

Whiting Manufacturing Co.,
2551

Rollins & Co., 3574

La Grand & Sutcliffe, 9565.

Hett, 9802 to 9805

Evans & Sons, 9894

Stark & Co., 10,022

HYDRO-CARBON ENGINE.

Thomson, Sterne, & Co., 6968

**HYDRO EXTRACTOR OR
DRYING MACHINE.**

Gwynne, 6510

HYDROMETER.

Ransome & Co., 5799

HYDRONS.

Haynes & Sons, 7237

**ICE-MAKING MACHINES
AND ICE-CREAM FREEZERS.**

Rollins & Co., 3616

Brown, Brothers, 5696 to 5709

Lloyd, Lawrence, & Co., 6140

Atmospheric Churn Co., 6322
to 6331

Kent & Co., 7894, 7895

Atlas Engine Co., 9483

West & Co., 10,057 to 10,063

Siebe & Gorman, 10,179, 10,180

**ICE-MAKING MACHINES
AND ICE-CREAM FREEZERS.**

Freezing Composition.

Brown, Brothers, 5710

(See Refrigerators, &c.)

INCUBATORS.

(See Hatching, Bearing, &c.)

**INDIA - RUBBER BREAK
BLOCKS.**

Bird & Co., 5228 to 5237

**INDIA-RUBBER CARRIAGE
STEPS.**

Bird & Co., 5238 to 5240

**INDIA-RUBBER SHEETS,
MATS, WASHERS, AND
VALVES.**

Sheath, Brothers, 910

Anderson, Abbott, & Anderson,
983

Unite, 4183

Hutchinson & Co., 11,154

INDIA-RUBBER SPRINGS.

Abell & Co., 4421

Hutchinson & Co., 11,164

INDIA-RUBBER TUBING.

Hutchinson and Co., 11,162,

11,163, 11,165, 11,166

(See Garden Hose.)

INDIA-RUBBER TYRES.

Bird & Co., 5218 to 5222

Dell & San, 9305

**IRON BUILDINGS, HOUSES,
CHURCHES AND SHEDS.**

Dixon, 1525 to 1528, 1530

Main & Co., 4102, 4103

IRON FENCING WIRE.

Thomas & Co., 2271 to 2274

Sabatier & Co., 2504

Bayliss, Jones, & Bayliss, 4025,
4026

IRON HUT.

Croggon & Co., 1026

Dixon, 1528

**IRON RIDGE, CAPPING
AND CRESTING.**

Morton & Co., 1779, 1780

IRON SASHES, WROUGHT.

Armitage & Itter, 6587

IRON SHEETS.

Croggon & Co., 1027

Morton & Co., 1778

Treggon & Co., 2519

Hutchinson & Co., 11,159

**IRON, SPECIMENS OF, FOR
VARIOUS USES.**Kirkstall Forge Co., 4451 to
4454

Stenson & Co., 5322

JELLY PRESS.

Orme & Co., 7946

**JOINERS' AND OTHER
CRAMPS.**

Whiteley & Sons, 437

Hall & Co., 8013, 8014

Olley & Co., 10,401

Reynolds & Co., 10,042, 10,045

KILTING MACHINES.Newton, Wilson, & Co., 792 to
798**KITCHENERS, KITCHEN
RANGES, COOKING
STOVES AND OVENS.**

Rollins & Co., 3615

Matterson, Huxley, & Watson,
3831 to 3838

Browne, Brothers, 5653 to 5677

Williams & Sons, 6019 to 6026

Hutchinson, Batchellor, & Per-
man, 7076 to 7089

Haynes & Sons, 7232, 7233

*(See Cooking Stoves.)***KITCHEN RANGE BOILERS.**Hutchinson, Batchellor, & Per-
man, 7090**KNEADING MACHINES.**

Hancock, F. & C., 6011 to 6013

Richmond & Chandler, 8526,
8527**KNIFE CLEANING
MACHINES.**

Hodd & Son, 648 to 657

Follows & Bate, 1919 to 1924

Ransome & Co., 5773, 5774

Lyon, 6276

Kent & Co., 7896 to 7907

Orme & Co., 7951

Nye & Co., 11,241 to 11,255

**KNIFE GRINDER AND
WHEEL.**

Orme & Co., 7974

**LACTOMETERS AND OTHER
MILK TESTERS.**

Davis & Co., 11,449 to 11,451

**LADDERS, CONVERTIBLE
STEPS, AND FIRE ES-
CAPES.**

Harvey, 11,759

LADDERS, TELESCOPIC.

Pierce, 3698

**LAMP POST AND FOUN-
DATION.**

Le Grand & Sutcliff, 9563

LAMPS, GAS (PORTABLE).Wilson (Newton) & Co., 799 to
801**LAMPS, OIL AND OTHER.**

Cowdy, 779

Ransome & Co., 5780

Kaye & Co., 7064, 7067

Potter, 7104, 7105

**LARD AND BUTTERMAKERS'
FAT CUTTING MACHINE.**

Lyon, 6287

LARDERS.*(See Meat Safes.)***LARD PRESSERS.**

Herbert & Son, 5995

Lyon, 6284

Orme & Co., 7927

Gardner, 10,815 to 10,817

LARD RENDERER.

Gardner, **10,818, 10,819**

LATHE ATTACHMENT WITH EMERY WHEELS.

Slack's Emery Wheel Co., **6991 6992**

LATHE DRIVERS.

Harrison, Teague, & Birch, **5320**

LATHES, TOOLS, AND FITTINGS.

Hopton & Co., **3470**
Moser & Sons, **3491**
Ransome & Co., **5759**
Machinery & Hardware Exhibition & Agency, **7509**
Orme & Co., **7952**
Smith & Coventry, **10,079, 10,080, 10,085**

LAUNDRY STOVES.

Brown, Brothers, **5881 to 5883**
Portway, **6816 to 6819**
Leoni & Co., **7144**
Billing, **7198**

LAWN EDGE CUTTERS.

Follows & Bate, **1914**

LAWN MOWERS.

Waite, Burnell, Huggins, & Co., **34 to 41**
Samuelson & Co., **286 to 290**
Alexander & Thompson, **613**
Shanks & Son, **1283 to 1298**
Follows & Bate, **1903 to 1913**
Thomas & Co., **2344 to 2355**
Barnarda, Bishop, & Barnarda, **2608 to 2610**
Rollins & Co., **3554 to 3564**
Peirce, **3706**
Unite, **4194 to 4199**
Picksley, Sims, & Co., **5001, 5002**
McKenzie & Sons (London), **6034**
Lloyd, Lawrence, & Co., **6119**
Hirst & Sons, **7298 to 7307**
Rogers, Brothers, **7769 to 7772**
Kent & Co., **7846 to 7849**
Crowley & Co., **8100 to 8109**

LAWN SPRINKLER AND PORTABLE FOUNTAIN.

McKenzie & Sons (London), **6039**

LAWN TENNIS POLE, SELF-FIXING.

Parham, **11,691**

LAWN TENNIS SETS AND APPLIANCES.

Alexander & Thompson, **615, 616**
Wrinch, **2596**
Rogers, Brothers, **7793**

Court Marker.

Alexander & Thompson, **608 609**
Wrinch, **2804**
Peirce, **3744**
Bird & Co., **5217**

LAWN TENT.

Unite, **4188**

LEATHER BUTTONS FOR GAITERS.

Webb & Co., **870**

LEATHER CORD.

Haynes & Sons, **1095**

LEATHER, TANNED.

Webb & Sons, **865 to 869**

LEGGINGS, CANVAS.

Hutchinson & Co., **11,169, 11,170**

LIFTING JACKS & SCREW JACKS.

Lister & Co., **3317, 3318**
Moser & Sons, **3479**
Ball & Son, **4335 to 4337**
Abell & Co., **4428**
Walker, **5202**
Ransome & Co., **5748 to 5751, 5797**
Cottrell & Co., **6349, 6350**
Orme & Co., **7953**
Robey & Co., **8909, 8927**

**LIFTING JACKS AND
SCREW JACKS.**

Tangye, Brothers, **9468, 9470,
9477**

Williamson, Bros., **9596, 9597
Ley, 9696**

Marshall & Sons, **10,437, 10,438
Humphries, 10,498**

Clayton & Shuttleworth, **10,546
to 10,548**

Darby, **10,715 to 10,718**

Barrows & Stewart, **10,742,
10,743**

LIME SCREENS.

Hill & Smith, **1641**

Ord & Maddison, **3051**

Boby, **3193**

Penney & Co., **4677, 4678**

Bamforth & Sons, **5282, 5284**

Bastin & Co., **5639**

Corcoran, Witt & Co., **6555**

LINEN PRESSES.

Peirce, **3738**

Bradford & Co., **6462**

LINSEED OIL.

Pearsons, **11,030 to 11,032**

LINSEED, SAMPLES OF.

Pearson, **11,023 to 11,028**

**LIQUID COOLING
MACHINES.**

Alhborn, **4153 to 4156**

Lawrence, **10,331 to 10,339**

LIQUID EJECTOR.

Thwaites & Carbutt, **10,891**

LOCKS AND PADLOCKS.

Rollins & Co., **3613**

McKenzie & Sons (London),
6041

Lloyd, Lawrence, & Co., **6138**

Kaye & Co., **7059 to 7062,
7069 to 7072**

Hall & Co., **8016**

**LOCOMOTIVE STEAM
CRANES.**

Appleby, Bros., **9702 to 9704**

**LUBRICATORS AND OIL
FEEDERS.**

(See Oil Cans and Lubricators.)

LUBRICATING OILS.

Cowdy, **774**

Rollins & Co., **3641**

Corcoran, Witt, & Co., **6575**

Rogers, Brothers, **7912**

**LUGGAGE CARTS AND
TRUCKS.**

Penney & Co., **4690**

"Gem" Horse-Rake and Imple-
ment Co., **8631**

Lewis & Son, **8973**

MACHINE BRUSHES.

Corcoran, Witt, & Co., **6589**

Dell & Son, **9303**

**MALLEABLE IRON CAST-
INGS FOR MACHINERY.**

Spencer & Sons, **407, 408**

Hadfield's Steel Foundry Co.,
409

Whiteley & Sons, **410, 422, 423**

Nottingham Malleable Iron Co.,
5309

Harrison, Teague, & Birch, **5321**

Savile Street Foundry, **9174**

Ley, **9699**

MANGLES.

Bradford & Co., **6371, 6395**

Kent & Co., **7875 to 7877**

Orme & Co., **7954**

Whalley, Smith, & Paget, **8242**

Bell & Co., **8290, 8291**

MANGLING MACHINES.

Selig, Sonnenthal, & Co., **4614
to 4616**

**MARBLE & METAL EMERY
POLISHING BLOCKS.**

Slack's Emery Wheel Co., **7009**

MARMALADE CUTTER.

Kent & Co., **7892**

**MARSH PLANT CULTIVA-
TION, RAFT FOR.**

Dennis & Co., **11,709**

MEASURES.

Hughes & Sons, **7430, 7431**

MEASURING TAPES.

Moser & Sons, **3537**

MEAT CHOPPERS AND CHOPPING MACHINES.

Follows & Bate, **1917**

Rollins & Co., **3599**

Lyon, **6286**

Orme & Co., **7955**

Barr & Co., **10790 to 10795**

(See Sausage and Meat Chopping Machines.)

MEAT PRESERVATIVE.

Herbert & Sons, **6000**

MEAT SAFES.

Johnson, **1466, 1467**

Treggon & Co., **2528**

Peirce, **3732**

Sawney & Co., **3794**

Parnay & Co., **4694 to 4704**

Orme & Co., **7955**

MEDICINES AND VETERINARY PREPARATIONS.

Hall, **7794**

Spratt's Patent, **11,046 to 11,062**

Ash, Hope & Sons, **11,096**

Tomlinson & Hayward, **11,473 to 11,474**

Day, Son, & Hewitt, **11,477 to 11,499**

Jones, **11,501, 11,503**

Stokoe, **11,504, 11,505**

Gillard & Co., **11,507 to 11,510**

Morris, Little, & Son, **11,511, 11,512**

Elliman, Son, & Co., **11,513**

Pettifer, **11,514 to 11,528**

Day & Sons, **11,529 to 11,543**

McDougall, **11,544 to 11,549**

Corry & Soper, **11,554 to 11,560**

Lilwall, Bros., **11,561 to 11,573**

Neale & Sons, **11,574 to 11,600**

Tipper & Son, **11,601**

MELON FRAMES.

Beckett, Brothers, **11,658**

Parham, **11,686 to 11,688**

Dennis & Co., **11,701**

MELTING LADLES.

Moser & Sons, **3507**

MELTING POTS.

Moser & Sons, **3510**

METALLIC BEDSTEADS.

Wood, **4500 to 4505 4508**

MILLING MACHINE.

Smith & Coventry, **10,083**

MINCING MACHINES.

Ransome & Co., **5769 to 5772**

Lloyd, Lawrence, & Co., **6136, 6137**

Lyon, **6265 to 6267**

Barr & Co., **10,790 to 10,795**

(See Sausage and Meat Chopping Machines.)

MINERAL OIL COOKING --- STOVES.

Potter, **7092**

MINERAL OIL HEATING STOVES.

Potter, **7101, 7102.**

MINERS' LAMPS.

Thomas, **9713**

MITRE CUTTER.

Hall & Co., **8012**

Reynolds & Co., **10,043**

MIXING MACHINES.

Parnell & Co., **6728 to 6732**

Kent & Co., **7961**

MODELS.

Brick Kiln.

Bradley & Craven, **9988**

Chain Pumps.

Warner & Sons, **7446 to 7449**

Clothes Drying Closet.

Thomas & Taylor, **6460**

MODELS.*Coal Weighing Machine.*

Thomas, 9712

Double Circulating Boiler.

Coleman & Morton, 4936

Iron Conservatory.

Williams & Sons, 6027

Metallic Bedstead.

Wood, 4509

Metallic and Spring Laths.

Wood, 4509

Mine Ventilator.

Thwaites & Carbutt, 10,894

Pumps, &c.

Gwynne, 6514

Warner & Sons, 7446, 7447

Bamford & Sons, 8424

Tangye, Brothers, 9457

Hett, 9811

Railway Buffer.

Thomas, 9711

Railway Carriage Seat and Cushion.

Wood, 4510

Roofs, Iron and Felt.

Croggon & Co., 1029, 1030

Sanitation & Ventilation (Banners' System).

Banner Brothers, 637

Tea Dryer.

Gibbs, 11,335

Turbine.

Williamson, Bros., 9574, 7595

Hands & Sons, 9743

Waterloo Oil Mills.

Ayre, Chambers & Ayre, 10,083

Waterwheel and Pumps.

Crompton, 1864

MORTAR BARROW.Selig, Sonnenthal, & Co., 4592
to 4594**MORTAR MILLS.**

Selig, Sonnenthal, & Co., 4617

Marsden, 9912

Richards & Glaskin, 9924 to
9926

Jackson, 9929, 9932, 9933

Wurr & Lewis, 10,001

Reynolds & Co., 10,053, 10,056

Tittley & Son, 10,125

Hindley, 10,575

Darby, 10,711

Tempering Shovel.

Bastin & Co., 5813

**MOULDING PLANING,
TENON-CUTTING, MOR-
TICING, BAND-SAWING,
AND GENERAL JOINERS'
MACHINES.**

Hopton & Co., 3463

Moser & Sons, 3473

Ransome & Co., 5800

Orme & Co., 7920, 7921, 7931

Eagles, 7988

Hall & Co., 8008 to 8010

Keyworth & Co., 8369

Jackson, 9936

Wurr & Lewis, 9992, 10,000

Powis, Carter, & Morris, 10,007

to 10,009, 10,015, 10,016

Reynolds and Co., 10,033 to
10,038

Rhodes & Sons, 10,097, 10,098

Olley & Co., 10,398 to 10,400

**MUD PUMP AND ELE-
VATOR.**

Bastin & Co., 5849

MUD SCOOP.

Bastin & Co., 5817, 5818

NAILS.

Cowdy, 778

Moser & Sons, 3540

Abell & Co., 4424, 4425

H-P Horse Nail Co., 4511

NAVY'S BARROW.

Bayliss, Jones, & Bayliss, 4032

East & Son, 5324

Hayes & Son, 5642

Bastin & Co., 5819

NEEDLES.

Hayes, Crossley, & Co., 11,178
to 11,183

NET HAMMOCKS.

Piggott, Brothers, 1672
Wrinch, 2603
Peirce, 3742
Edgington, 3857 to 3860
Unite, 4192

NICKEL PLATED GOODS.

Thomson, Sterne, & Co., 6975
Kenrick & Sons, 8655

OAK BARK.

Barns, 7980

OAK, EXTRACTS OF GREEN, FOR TANNING.

Marquis Riscal, 11,617, 11,618

OAK FENCING.

Barns, 7979

OIL CANS AND LUBRI- CATORS.

Edwards, 406
Hancock Inspirator Co., 704
White & Co., 705 to 709
Cowdy, 777
Wilcox & Co., 823, 824
Corcoran, Witt, & Co., 6575
Gardner, 7034
Kaye & Co., 7063
Brown & Co., 7728, 7729
Orme & Co., 7956
Dell & Son, 9277
May & Mountain, 9535, 9536
Hands & Sons, 9767 to 9775
Blanche & Co., 10,924
Schäffer & Budenberg, 10,316

OIL PRESS.

Ladd & Co., 10,787

OIL STONES.

Rollins & Co., 3580

OIL TANKS AND PARAFFIN TANKS.

Rollins & Co., 3602 to 3606
Rurney & Co., 7574, 7616,
7617
Bellamy, 8318 to 8326

OILS.

Phoenix Oil Mill Co., 11,015
Pearson, 11,030 to 11,032

OILS FOR LUBRICATING PURPOSES.

Cowdy, 774
Rollins & Co., 3641
Corcoran, Witt, & Co., 6575
Rogers, Brothers, 7812

ORE CRUSHERS.

(See *Crushing Machines for Hard
Substances, Stonebreakers, and
Crushers.*)

PAILS AND TUBS.

Cottam & Co., 2030
Treggon & Co., 2515
Moser & Sons, 3518
Waide, 5918

PAINT MILLS.

Follows & Bate, 1915, 1916
Hopton & Co., 3467
Ransome & Co., 5768
Rogers, Bros., 7787 to 7789
Orme & Co., 7957
Keyworth & Co., 8370, 8371

PAINTS AND VARNISHES.

Polyblank & Co., 10,078
Denton & Jutsum, 11,173, 11,175
Turner & Sons, 11,466, 11,469

PALISADING.

Morton & Co., 1764 to 1774
Barnards, Bishop, & Barnards,
2662, 2663
Corcoran, Witt, & Co., 6548
(See *Hurdles and Fencing.*)

PAPER TESTING MACHINE.

Bartrum & Powell, 9791

PASSENGERS' LIFT.

Waygood & Co., 9191

PEA PROTECTOR.

Johnson, 1471
Thomas & Co., 2282 to 2293
Treggon & Co., 2510
Barnards, Bishop, & Barnards,
2651

PEA SHELLING MACHINE.Lyon, **6268****PEA TRAINERS AND
TRELLIS.**Johnson, **1470**Thomas & Co., **2294 to 2296****PEACH HOUSE.**Dennis & Co., **11,719****PERFUMERY.**Piesse & Lubin, **11,369 to
11,380****PHEASANT COOP AND RUN.**Thomas & Co., **2314**Barnards, Bishop, & Barnards,
2655**PHEASANT FEEDERS AND
FOUNTAINS.**Le Butt, **545**Thomas & Co., **2315**Treggon & Co., **2516**Barnards, Bishop, & Barnards,
2656**PHOSPHOR BRONZE.**Phosphor Bronze Co., **1350 to
1354****PICKS AND HANDLES.**Moser & Sons, **3500****PILE DRIVING APPA-
RATUS.**Le Grand & Sutcliff, **9556 to
9558****PILLAR DRILLING MA-
CHINE.**Selig, Sonnenthal, & Co.,
4612**PIPE CASTINGS.**Richards and Glaskin, **9928****PIPE (IRON) JOINTS AND
UNIONS.**Whiteley & Sons, **427 to 432**Ransome & Co., **5796**Pulsometer Engineering Co.,
6946**PIPES, IRON.**Crompton, **1859****PIPE SCREWING MACHINE.**Cowley & Son, **4534, 4535,
4543 to 4546****PIPE TONGS.**Ransome & Co., **5795****PIPE VICE.**Cowley & Son, **4536, 453****PIPE WRENCHES.**Cowley & Son, **4540 to 4542***Combined Wrench and Tube Cutter.*Cowley & Son, **4542****PIPES, PATENT COVERING
FOR.**Tooze, **770****PIT SAWS.**Rollins & Co., **3611****PLANING MACHINE AND
WHEEL FOR PONY POWER.**Orme & Co., **7973**Reynolds & Co., **10,047****PLANING TABLE.**Abbott & Co., **9520****PLANES.**Moser & Sons, **3539****PLANT PROPAGATING
FRAMES.**Albion Lamp Co., **6030****PLANT PROTECTORS AND
PRESERVERS.**Beckett, Brothers, **11,657**Parham, **11,688**Dennis & Co., **11,712, 11,713***(See Glass Protectors.)*

PLANT TRELLISES.

Rollins & Co., **3593**

PLIERS.

Moser & Sons, **3534**

PLUMBER'S STOVE.

Evans & Sons, **9892**

POCKET KITCHENERS.

Potter, **7100**

PORTABLE FUEL STOVE.

Potter, **7099**

PORTICO, WROUGHT IRON.

Headly & Son, **3427**

**POTATO MASHING
MACHINES.**

Kent & Co., **7886 to 7889**

POTATO SLICER.

Kent & Co., **7891, 7892**

POULTERERS' ICE SAFES.

Kent & Co., **7836**

POWER OR MOTION INDICATOR.

Harrison & Co., **7019**

**PRESERVATION OF WOOD,
BLYTHE'S PROCESS.**

Connor & Co., **4390**

**PRUNING SHEARS AND
KNIVES.**

Lloyd, Lawrence, & Co., **6132**

Lingard & Co., **6870.**

PUBLICATIONS, &c.,

Bruce, **10,409 to 10,412**

Agricultural & Horticultural Association, **11,106, 11,107**

Morgan, Brothers, **11,354**

Cassell, Petter, & Galpin, **11,355, 11,356**

Brimmer, **11,357**

'Mark Lane Express,' **11,358, 11,359**

'The Farmer,' **11,360 to 11,366**

Darkin, **11,367, 11,368**

Day, Son, & Hewitt, **11,497, 11,498**

**PULLEYS, BLOCKS,
COLLARS, AND CRABS.**

Edwards, **406**

Moser & Sons, **3511, 3480**

Selig, Sonnenenthal, & Co., **4628 to 4631**

Penney & Co., **4693**

Ransome & Co., **5737 to 5742, 5745 to 5747**

Gardner, **7032**

Eagles, **7999 to 8005**

Kenrick & Sons, **8665**

Dell & Sons,

Tangye, Brothers, **9472 to 9475**

Oke, **9603**

Pickering, **9680 to 9685**

Ley, **9693, 9697**

(See *Driving Pulleys*).

PUMPS.

Waller & Co., **381**

Death & Ellwood, **1362**

Hyde & Wigfull, **1823 to 1825**

Crompton, **1864**

Sabatier & Co., **2504**

Whiting Manufacturing Co., **2549, 2550**

Whiteside & Co., **3074**

Baker, **3377**

Moser & Sons, **3517**

Rollins & Co., **3571 to 3578**

Peirce, **3705**

Murray & Co., **5124**

Affleck, **5292, 5293**

Reeves & Son, **6253 to 6256**

Cotterell & Co., **6349**

Gwynne, **6492 to 6515**

Haynes & Sons, **7246**

Ingold, **7407 to 7421**

Warner & Sons, **7439 to 7454, 7462 to 7488**

Machinery & Hardware Exhibition & Agency, **7528 to 7531, 7540, 7541**

Rogers, Brothers, **7822 to 7826**

Orme & Co., **7923, 7935 to 7942**

Turner, **8167 to 8172**

Keyworth & Co., **8365**

Barnford & Sons, **8415 to 8425**

Campion, **8817**

Noel, **9144 to 9154**

Savile Street Foundry Co., **9169, 9170**

Tangye, Brothers, **9457 to 9467**

Atlas Engine Co., **9484 to 9487**

PUMPS.

Le Grand & Sutcliff, **9543** to **9550, 9564, 9568, 9571**
 Williamson, Brothers, **9578** to **9587**
 Hayward, Tyler, & Co., **9621** to **9629, 9638, 9658** to **9666**
 Hawkesley, **9732** to **9734**
 Hands & Sons, **9744, 9745**
 Bartrum & Powell, **9782** to **9788**
 Hydraulic Engineering Co., **9797**
 Hett, **9806** to **9812**
 Brinjes & Goodwin, **9814** to **9817**
 Evans & Sons, **9852** to **9889**

American Pumps.

Whiting Manufacturing Co.,
2549, 2550
 Rollins & Co., **3571, 3572**
 Haynes & Sons, **7240**

Barrow Pumps.

Peirce, **3705**
 Affleck, **5292**
 Reeves & Sons, **6255, 6256**
 Cotterell & Co., **6348**
 Warner & Sons, **7478** to **7481**
 Orme & Co., **7923**

California Pumps.

Hayward, Tyler, & Co., **9638**

Cattle Gear Pump.

Death & Ellwood, **1362**
 Warner & Sons, **7444**

Centrifugal Pumps.

Gwynne, **6492** to **6509, 6513**
 to **6515**
 Tangye, Brothers, **9464** to **9467**
 Atlas Engine Co., **9484**
 Williamson, Brothers, **9579** to **9584**
 Hands & Sons, **9745**
 Hett, **9806** to **9810**

Chain Pumps.

Whiteside & Co., **3074**
 Murray & Co., **5124**
 Corcoran, Witt, & Co., **6521**
 Reeves & Sons, **6253, 6254**
 Pulsometer Engineering Co.,
6942
 Warner & Sons, **7446**
 Bamford & Sons, **8415** to **8424**
 Williamson, Brothers, **9587**
 Evans & Sons, **9862, 9874**

PUMPS.**Contractors' or Builders' Pump.**

Orme & Co., **7941**

Deep Well Pumps.

Rollins & Co., **3578**
 Ingold, **7422**
 Warner & Sons, **7463** to **7460**
 Le Grand & Sutcliff, **9550**

Force Pumps.

Rollins & Co., **3572**
 Affleck, **5292**
 Ingold, **7419**
 Warner & Sons, **7449, 7450,**
7478 to **7481**
 Orme & Co., **7939**
 Turner, **8170, 8171**
 Atlas Engine Co., **9485** to **9487**
 Williamson, Brothers, **9586**
 Evans & Sons, **9861, 9876** to **9887**

Hand-Power Chain Pump.

Murray, **5124**
 Warner & Sons, **7446, 7448**

Pump for Acids.

Follows & Bate, **1925**

Pump for Cart.

Affleck, **5293**
 Warner & Sons, **7449**
 Orme & Co., **7937**

Pump Leathers.

Hepburn & Gale, **833**

Pump Valves.

Ransome & Co., **5743**

Pump on Stand.

Baker, **3377**
 Warner & Sons, **7450**

Pump on Wheels.

Sabatier & Co., **2504**

Rotary Pumps.

Warner & Sons, **7482**
 Savile Street Foundry, **9169**

Sewage Pumps.

Waller & Co., **381**
 Hydes & Wigfull, **1825**
 Bastin & Co., **5849**

PUMPS.

Sheet or Yard Pump.

Rollins & Co., **3577**

Steam Pumps.

Death & Ellwood, **1363, 1364**
Tangye, Brothers, **9457 to 9463**
Hayward, Tyler, & Co., **9621 to 9629**

Hands & Sons, **9745**
Evans, **9852 to 9855**

Street, Yard, and Cottage Pumps.

Whiting Manufacturing Co.,
2549

Rollins & Co., **3570, 3571, 3577**

Ingold, **7410 to 7413**
Warner & Sons, **7483 to 7488**

Rogers, **7833**
Orme & Co., **7936, 7937**

Turner, **8167, 8172**

Keyworth, **8365**

Bamford & Sons, **8425**
Evans & Sons, **9858, 9863, 9870**

Wind Engine Pumps.

Warner & Sons, **7439 to 7441**
Le Grand & Sutcliffe, **9564**
Hett, **9812**

PUNCHES, DUPLEX, HYDRAULIC, AND LEVER.

Ransome & Co., **5760 to 5762**

PUNCHING AND SHEARING MACHINE.

Moser & Sons, **3471**

RABBIT NETTING.

Edgington, **3845**
Main & Co., **4099**

RAILWAY TICKET NIPPING AND PARCELLING MACHINE.

Hunter, **8951**

RAILWAY WAGGON FOR CATTLE.

Welch, **11,846**

RAILWAY WAGGON IRONWORK, BOLTS, NUTS, AND BEARINGS.

Abell & Co., **4222, 4227, 4231**

RAILWAY WHEELS, AXLES, TYRES, AXLE BOXES, SPRINGS, AND BUFFERS.

Abell & Co., **4410 to 4416**

RATCHET & BIT BRACES.

Cowley & Son, **4550, 4551**
Ransome & Co., **5752**
Orme, **7922**

REFRIGERATING CHEST OF HOLLOW WARE.

Pritchett, **11,729, 11,730**

REFRIGERATORS, ICE MACHINES, AND SAFES.

Peirce, **3731**
Alhborn, **4153 to 4156**
Atmospheric Churn Co., **6304 to 6319**

Kent & Co., **7829 to 7837, 7850 to 7859, 7908 to 7909**
Siebe & Gorman, **10,180**

(*See Ice-Making Machines.*)

REFRIGERATORS FOR MILK AND OTHER LIQUIDS.

Alhborn, **4153 to 4156**
Lawrence & Co., **10,331 to 10,339**

Portable Refrigerators.

Potter, **7103**

REFRIGERATING SHOP COUNTER.

Thwaites & Carbutt, **10,888**

REFRIGERATING WAGGONS FOR RAILWAYS.

Swanage Waggon Co., **11,845**
Mann, **11,847**

RICE CLEANING MACHINE.

Cutler, **7091**

ROAD LOCOMOTIVE ENGINES.

Aveling & Porter, **3102, 3103**
(*See Traction Engines.*)

ROAD-MAKING SCRAPERS.

Selig, Sonnenthal, & Co., **4589**
to **4591**

ROAD ROLLERS.

Nicholson & Son, **2855**
Barford & Perkins, **8887, 8888**
Marsden, **9910**

Steam Road Rollers.

Aveling & Porter, **3095, 3096**

ROAD SCRAPER.

Allcock, **873**
Sawney & Co., **3775**
James & Son, **3561**

ROASTING APPARATUS.

Brown, Brothers, **5656, 5658,**
5660, 5682, 5666

ROCK DRILLS AND CHANNELLING MACHINES.

Legros, Mayne, Leaver, & Co.,
9961 to 9967
Hathorn & Co., **9940**

ROOFING, CORRUGATED SHEET-IRON AND STEEL AND ZINC.

Dixon, **1484 to 1504**
Treggon & Co., **2524**
Innes, **8578**

ROOFING AND OTHER FELTS.

Croggon & Co., **986 to 993**
Treggon & Co., **2530**
Unite, **2161**

ROOFING TILES AND EAVES, GUTTERING.

Dixon, **1506, 1507, 1529**
Morton & Co., **1777**
Colthurst, Symons, & Co., **4040**
to **4042**
Pinfold, **11,731 to 11,733,**
11,736, 11,740 to 11,743
Major, **11,744 to 11,751**
Matthews, **11,756**

ROSE TEMPLES.

Thomas & Co., **2424, 2425**
Reynolds & Co., **11,665**

ROUGH (MOVABLE) FOR HORSES.

Witty & Wyatt, **11,184**

RUSTIC BUILDINGS AND ORNAMENTS.

Panklibanon Ironmongery Com-
pany, **1326 to 1348**

Pigeon House.

Rosher & Co., **11,646**

Seats, Tables, and Stools.

Inman, **11,873 to 11,876**

Summerhouse.

Panklibanon Ironmongery Com-
pany, **1349**
Rosher & Co., **11,644, 11,645**
Inman, **11,872**

SALTING MACHINE.

Herbert & Sons, **5996 to 5998**
Lyon, **6280**
Gardner, **10,621**

SANITARY APPARATUS AND APPLIANCES.

Waller & Co., **386, 391, 392**
Banner, Brothers, **637**
Karrick & Sons, **8655**
Eagle Range and Foundry Com-
pany, **10,370**

SASHES, WROUGHT IRON.

Armitage & Itter, **6587**

SAUSAGE FILLING MACHINES.

Follows & Bate, **1918**
Herbert & Sons, **5994**
Lyon, **6269**
Gardner, **10,808 to 10,814**
Nye & Co., **11,257, 11,261**

SAUSAGE MEAT CHOPPING, AND MINCING MACHINES.

Barnards, Bishop, & Barnards,
2634

**SAUSAGE, MEAT CHOP-
PING, AND MINCING MA-
CHINES.**

Herbert & Sons, 5992, 5993
Lyon, 6265, 6266
Kent & Co., 7883 to 7885
Barr & Co., 10,790 to 10,795
Gardner, 10,801 to 10,806
Nye & Co., 11,223 to 11,233

*Brushes for Cleaning Sausage
Machines.*

Nye & Co., 11,272

**SAUSAGE SKINS AND SEA-
SONING:**

Lyon, 6277
Nye & Co., 11,272

**SAW BENCHES AND TABLES,
BAND SAWS, CIRCULAR
SAWS, &c.**

Holmes & Sons, 6
Reading Iron Works Co., 301,
302
Hopton & Co., 3460
Machinery & Hardware Exhi-
bition & Agency, 7542, 7543,
7536 to 7539
Orme & Co., 7958
Eagles, 7981 to 7984, 8006,
8007
Hall & Co., 8015
Robey & Co., 8997
Roberts, 9428, 9429
Okes, 9601
Wurr & Lewis, 9989 to 9999
Jackson, 9934 to 9986
Powis, Carter, & Morris, 10,010
10,014
Stark & Co., 10,018 to 10,021
Reynolds and Co., 10,024 to
10,032
Polyblank and Co., 10,073 to
10,077
Chapman & Sutton, 10,112
Titley & Son, 10,126
Campbell & Co., 10,270
Olley & Co., 10,387 to 10,397,
10,405
Marshall and Sons, 10,433 to
10,436
Ruston, Proctor, & Co., 10,459
Hempsted & Co., 10,481
Clayton & Shuttlesworth, 10,528
Davey, Paxman, & Co., 10,563

**SAW BENCHES AND TABLES,
BAND SAWS, CIRCULAR
SAWS, &c.**

Hindley, 10,579 to 10,581
Dodman, 10,643
Tuxford & Sons, 10,649, 10,653
Allohin, 10,723, 10,724, 10,725
Underhill, 10,780, 10,781

Cutter Block for Saw Bench.

Hindley, 10,586

**SAW SHARPENING MA-
CHINES.**

Thomson, Sterne, & Co., 6950,
6961
Orme & Co., 7963, 7984
Bateman & Co., 9377

SAWS.

Moser & Sons, 3538
Rollins & Co., 3609 to 3611
Machinery & Hardware Exhi-
bition & Agency, 7586 to 7539
Eagles, 8006, 8007

SCALES AND BALANCES.

Rollins & Co., 3634 to 3650
Herbert & Sons, 5962 to 5975
5980 to 5989, 5990, 5991
Howe Scale Co., 6063 to 6080
Bartlett & Sons, 6760
Avery, 6858 to 6868

SCHOOL DESKS.

Whiteley & Sons, 425
Compton, 1865

SCOURING BRICKS.

Colthurst, Symons, & Co., 4043
Major, 11,750

SCREW PLATES.

Moser & Sons, 3531

**SCREW PRESS FOR CUT-
TING SAW TEETH.**

Rhodes & Sons, 10,102

SCREW STOCKS.

Cowley & Son, 4543 to 4546

SCREW WRENCHES.

Whiting Manufacturing Co.,
2548
 Whiteside & Co., **3078**
 Rollins & Co., **3584**
 Cowley & Sons, **4540** to **4542**
 Lloyd, Lawrence, & Co., **6129**
 Orme & Co., **7959**

**SCREWING MACHINES
WITH DIES AND TAPS.**

Cowley & Son, **4533** to **4535**
 Machinery & Hardware Exhibi-
 tion & Agency, **7494, 7515**
 Bateman & Co., **9392, 9409**
 Smith & Coventry, **10,084**
 Schäffer & Budenberg, **10,318,**
10,319

SEED PROTECTORS.

Johnson, **1471**
 Thomas & Co., **2282** to **2293**
 Treggon & Co., **2510**
 Barnards, Bishop, & Barnards,
2651

**SEWER ENTRANCES AND
MANHOLES.**

Waller & Co., **388** to **390**

**SEWER AND SOIL PIPE
VENTILATORS.**

Waller & Co., **391, 392**
 Banner, Brothers, **636**

SEWING MACHINES.

Wilson (Newton) & Co., **784** to
791
 Gordon & Gotch, **7313** to **7325**

SHAFTING & COUPLINGS.

Kirkstall Forge Co., **4432** to
4448
 Barford & Perkins, **8896**

Bearings for Shafting.

Abell & Co., **4426**
(See Driving Pulleys.)

**SHAPING MACHINE (GENE-
RAL) AND FITTERS.**

Thomson, Sterne, & Co., **6955**
 Slack's Emery Wheel Co., **7001**

**SHEARING MACHINES AND
SHEARS FOR SHEET
IRON, &c.**

Orme & Co., **7960**
 Rhodes & Sons, **10,087** to
10,091

**SHEEP SHEARING AND
HORSE CLIPPING MA-
CHINE.**

Clark, **7749**

**SHEEPSHEARS AND SHEAR-
ING MACHINES.**

Moser & Sons, **3532**
 Ransome & Co., **5802**
 Clark, **7747, 7748, 7749**
 Delano & Co., **7752**

Hand Shears.

Ransome & Co., **5765**

SHOOTING STOOL.

Winch, **2598**

SHOP LADDER.

Sinclair, **893**

SINGEING APPARATUS.

Moser & Sons, **3524**

SLATE HOLER.

Reynolds & Co., **10,046**

**SLIDE REST AND DIAMOND
TOOL.**

Thomson, Sterne, & Co., **6974**

SLIDING DOOR ROLLER.

Kenrick & Sons, **8645** to **8654**

SMITH'S BECK IRON.

Moser & Sons, **3483**

SMITH'S BELLOWS.

Moser & Sons, **3476**
 Machinery and Hardware Exhi-
 bition and Agency, **7505**

SMITH'S DOUBLE TROUGH.

Moser & Sons, **3484**

SMITH'S HEARTH.

Machinery and Hardware Exhibition and Agency, **7523**
 Rownson, Drew, & Co., **10,859**

SMITH'S MANDRILL.

Moser & Sons, **3492**

SMITH'S SWAGE & STAND.

Moser & Sons, **3482**
 Kirkstall Forge Co., **4461**

SMITH'S TOOLS.

Moser & Sons, **3485**

SMOKE CONSUMER AND STEAM GENERATOR.

Pamphilon & Co., **8456**

SMOKE CURVES AND CONDUCTORS.

Ewart & Son, **642, 647**

SMOKE RESPIRATOR AND GOGGLES.

Sinclair, **875, 876**

SMOKING CHAIR.

Unite **4211**

SMOKING LOUNGE.

Headly & Son, **3433**

SODA WATER, &c., MAKING MACHINERY.

Hayward, Tyler & Co., **9639** to **9654**

SOLDERING STOVE.

Leoni & Co., **7148**

SPANNERS.

Waller & Co., **395**
 Whiteley & Sons, **420**
 Moser & Sons, **3535**
 Cowley & Son, **4548, 4549**
 Harrison, Teague & Birch, **5318, 5319**
 Ransome & Co., **5753**
 Rogers, Brothers, **7785**
 Orme & Co., **7944**
 Davis & Co., **11,463**

SPARGERS FOR BREWERS.

Lawrence & Co., **10,344** **10,345**

SPICE MILLS.

Rollins & Co., **3656**

SPIRAL PUNCH MAKING MACHINE AND PUNCHES.

Thompson, Sterne, & Co., **6945, 6946**

SPIRAL SPRINGS.

Thompson, Sterne, & Co., **6967**

SPIRIT LEVELS.

Moser & Sons, **3536**
 Dell & Son, **9289**

SPOKE TENONING MACHINE.

Selig, Sonnenthal & Co., **4618**

SPRING CHAIRS AND LOUNGES.

Wrinch, **2580, 2586** to **2590**
 Barnards, Bishop, & Barnards, **2618**

STABLE FURNITURE AND FITTINGS.

Cottam & Co., **2016** to **2043**
 Musgrove & Co., **2083** to **2097**
 Matterson, Huxley, & Watson, **3823**
 Unite, **4177, 4227**

Brush Drainer.

Cottam & Co., **2062**
 Moser & Sons, **3523**

Bull's Eye Light.

Cottam & Co., **2059**

Ceiling Hooks.

Cottam & Co., **2066** to **2068**

Cleaning Hook.

Cottam & Co., **2069**

Drains, Traps and Gutters.

Cottam & Co., **2032** to **2036, 2041, 2042, 2045**

TABLE FURNITURE AND
FITTINGS.*as, Traps, and Gutters.*grove & Co., 2092, 2096,
17ncras Iron Works Co.,
to 3800*and Frames.*

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STABLE FURNITURE AND
FITTINGS.*Sand Box.*

Cottam & Co., 2029

Stable Barrow.

Penney & Co., 4691

East & Son, 5323

Stable Floors, Asphalt & Concrete.

Wilkinson & Co., 4552, 4577

Prentice & Co., 4580

Stable Forks.

Unite, 4226

Stable Lamps and Lanterns.

Ransome & Co., 5780

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STANDPIPE HYDRANTS AND FITTINGS.

Sinclair, **878, 879**
Shand, Mason, & Co., **930**
Bateman & Co., **9419**
May & Mountain, **9532**

STEAM COFFEE AND TEA FILTER.

Constantine, **10,386**

STEAM CRANES & LIFTS.

Tangye, Brothers, **9453**
Appleby, Bros., **9702 to 9704**
Powis, Carter, & Morris, **10,005**
Chapman & Sutton, **10,114**
Hempsted & Co., **10,477**
Hindley, **10,574, 10,576**
Priestman, Brothers, **11,717**

STEAM EXCAVATOR.

Darby, **10,707**

STEAM HAMMERS.

Thwaites & Carbutt, **10,871 to 10,873**

STEAM TRAPS.

Bateman & Co., **9404**
Blanche & Co., **10,299**
Schäffer & Budenberg, **10,323, 10,324**

STEAM VENTILATOR.

Follows & Bate, **1902**
Savile Street Foundry Co., **9170**

STEELYARDS.

Moser & Sons, **3528**
Herbert & Sons, **5990**

STENCH TRAPS.

Waller & Co., **386**

STEPS AND STEP CHAIRS.

Le Butt, **543, 544**
Wrinch, **2600 to 2602**
Peirce, **3736**
Sawney & Co., **3782**

STOCKS, DIES, AND TAPS.

Whiteley & Sons, **438 to 446**
Moser & Sons, **3530**

STONE BARROWS.

Selig, Sonnenthal, & Co., **4592 to 4594**

STONE BREAKERS AND QUARTZ CRUSHERS.

Hall, **1874 to 1876**
Savile Street Foundry Co., **9165, 9166**
Sherwin, **9180**
Marsden, **9909, 9911**
Guhson, **9915**
Broadbent & Son, **9916, 9917**
Dunston Engine Works Co., **9919, 9920**

STONE DRESSING MA- CHINE.

Robinson & Son, **10,128**

STONE MOULDING AND PLANING MACHINE.

Weston & Co., **9037**

STONE, ORNAMENTAL.

Bateman & Co., **9417, 9418**

STONEWARE PIPES.

Waller & Co., **384**

STORE TRUCKS, AMERICAN.

Rollins & Co., **3597**

STOVES, GRATES, RANGES, AND THEIR FITTINGS.

Musgrove & Co., **2106, 2107**
Barnards, Bishop, & Barnards, **2660**
Brown, Brothers, **5678 to 5680**
Portway, **6612 to 6615**
Haynes & Sons, **7234**

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STRAINERS GALVANIZED.

Treggon & Co., **2537**

STRAWBERRY PRO- TECTORS.

Thomas & Co., **2282 to 2293**
Barnards, Bishop, & Barnards, **2650**

**STREET WATERING CARTS
AND APPARATUS.**

Baker, **3369**
 Headly & Son, **8443** to **8445**
 Coleman & Morton, **4921**
 James & Son, **5348** to **5351**
 Woods, Cocksedge, and Warner,
8159
 Wilder, **8486**

SUGAR CUTTERS.

Smith & Son, **8733** to **8735**

SUGAR DRYING MACHINE.

Gwynne, **6510**

**SUGAR MILL FOR CATTLE
POWER.**

Death & Elwood, **1361**

SURFACE GRINDING MACHINE.

Thomson, Sterne, & Co., **6956**,
6973

SUMMERHOUSES.

Panklibanon Ironmongery Co.,
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 Rosher & Son, **11,644**, **11,645**
 Dennis & Co., **11,697** to **11,700**
 Inman, **11,872**

SWINGS FOR CHILDREN.

Peirce, **3723**
 Sawney & Co., **3779**, **3780**

SWIVEL UNIONS.

Schäffer & Budenberg, **10,314**

SYRINGES.

Moser & Sons, **3503**
 Peirce, **3737**
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 Arnold & Sons, **7731**
 Rogers, Brothers, **7821**
 Nye & Co., **11,270**

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TAILORS' STOVES.

Leoni & Co., **7146**, **7147**
 Billing, **7197**

TALLOW PRESS.

Ladd & Co., **10,786**, **10,787**

TANKS AND CISTERNS.

Waller & Co., **382**
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 Burney & Co., **7560** to **7575**,
7611 to **7616**
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 Randell, **8436**, **8437**
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 Thwaites & Carbutt, **10,896**

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Bellamy, **8316**, **8317**

**TAP GROOVE SHARPENING
MACHINE.**

Thompson, Sterne, & Co., **6958**

**TELEGRAPH POST AND
FOUNDATION.**

Le Grand & Sutcliff, **9559**

TENNIS RACQUET SET.

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Hall & Co., **8011**

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Le Grand & Sutcliff, **9561**

TENTS AND MARQUEES.

Piggott, Brothers, **1674**, **1675**,
1684 to **1686**
 Unite, **4186** to **4191**
 Müller, **10,904**

**TERRA COTTA VASES,
PEDESTALS, FOUNTAINS,
FLOWER BASKETS, &c.**

Matthews, **11,752** to **11,754**

**TILES, PLAIN RIDGE,
ROOFING, &c., &c.**

Dixon, **1506**, **1507**, **1529**
 Morton, **1777**
 Colthurst, Symons, & Co., **4040**
 to **4042**
 Pinfold, **11,731** to **11,733**,
11,736, **11,740** to **11,743**
 Major, **11,744** to **11,751**
 Matthews, **11,756**

**TIN GOODS, MACHINERY
FOR MAKING.**

Rhodes & Sons, **10,094, 10,096,
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MACHINE.**

Sinkwell, **3334**
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4607**
Affleck, **5302 to 5304**
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TIRE SHRINKER

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**TOBACCO CUTTING MA-
CHINE.**

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Thompson, Sterne, & Co., **6953
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Willacy, **3344**
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TUBE BRUSHES.

Edwards, **405**
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TUBE VICE.

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**TUBE WELLS, AND TUBE
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A catalogue of the various agricultural implements, seeds, roots, manures, and other articles, exhibited at the International Agricultural Exhibition, London (Kilburn). London, Printed by W. Clowes, 1879.

780 p.

✓ 1. Agricultural implements- Exhibitions.
✓ I. London. International Agricultural Exhibition, 187

